STATE OF UTAH

FORM 3	F	O	R۱	Л	3
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AMENDED REPORT (highlight changes)

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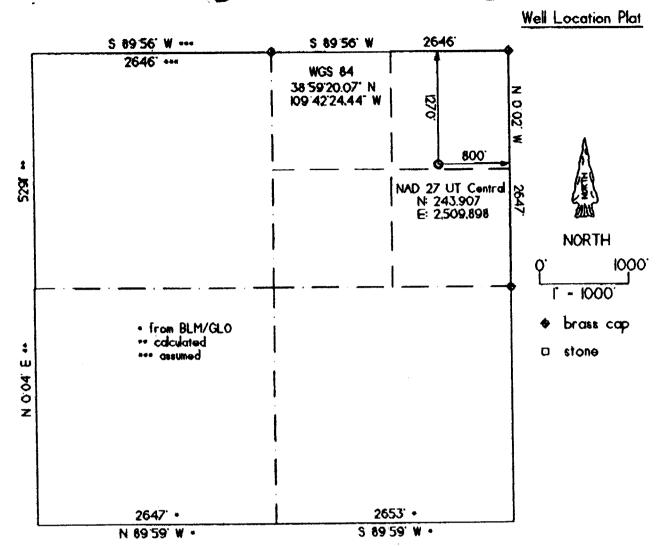
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

	APPLICATION FOR	PERMIT TO	DRILL		5. LEASE DESIGNATION ML-46760	AND SERIAL NUMBER:
1A. TYPE OF WO	DRILL REENTER			6. IF INDIAN, ALLOTTEE N/A	OR TRIBE NAME:	
B. TYPE OF WE	ILI: OIL 🗹 GAS 🗌 OTHER	IE 🗹	7. UNIT OF CA AGREEME N/A	NT NAME:		
2. NAME OF OPE			OUTT OOG		8. WELL NAME and NUM	
-	ORATION L. P. 16800 IMPERIA	IL VALLEY DE			STATE MSC 1	
3. ADDRESS OF		ATE TX ZIP 77	PHONE NUMBER: (281) 931-8933		9 FIELD AND POOL, OR WILDCAT	WILDCAT:
4. LOCATION OF	WELL (FOOTAGES)	ATE ' ZIP '	1(201) 001 0000		10. QTR/QTR, SECTION	TOWNSHIP, RANGE,
AT SURFACE:	1270 FNL & 800 FEL 612066	¥ 38.9	8894	ati s	MERIDIAN: NENE 16	21S 20E S
	PRODUCING ZONE: SAME 431413	7× -109.	70407		NEME 10	213 202 3
13. DISTANCE IN	I MILES AND DIRECTION FROM NEAREST TOWN OR PO	OST OFFICE:	Market 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		11. COUNTY:	12. STATE:
1 MILE N	OF THOMPSON SPRINGS				GRAND	UTAH
14. DISTANCE TO	O NEAREST PROPERTY OR LEASE LINE (FEET)	15. NUMBER O	F ACRES IN LEASE:	16. NU	JMBER OF ACRES ASSIG	NED TO THIS WELL:
800			640			160
17. DISTANCE TO APPLIED FOR	O NEAREST WELL (DRILLING, COMPLETED, OR R) ON THIS LEASE (FEET)	18. PROPOSED		19. BC	OND DESCRIPTION:	
N/A			7,000	<u> </u>	INGLE (to be submitted)	
	S (SHOW WHETHER DF, RT, GR, ETC.):				STIMATED DURATION:	
5,254 GL		4/25/200	4/25/2004 6 \		VEEKS (to drill 8	complete)
23.	PROPOS	SED CASING A	ND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QU/	ANTITY,	YIELD, AND SLURRY WEI	GHT
10-5/8	8-5/8 J-55 28	500	CLASS G	17	'5 SX 1	.18 15
7-7/8	5-1/2 N-80 17	7,000	BLEND	26	60 SX 3	.82 11
. .			50/50 POZ	30	00 SX 1	.21 14
	No. Account			i septimb		
				u Tog Janaci Si		
24.		ATTA	CHMENTS			
VERIFY THE FOL	LLOWING ARE ATTACHED IN ACCORDANCE WITH THE	UTAH OIL AND GAS C	ONSERVATION GENERAL RULES:			
WELL PL	AT OR MAP PREPARED BY LICENSED SURVEYOR OR	ENGINEED	COMPLETE DRILLING PLAN			
			1 =			
EVIDENC	CE OF DIVISION OF WATER RIGHTS APPROVAL FOR US	SE OF WATER	FORM 5, IF OPERATOR IS PE	RSON O	R COMPANY OTHER THA	N THE LEASE OWNER
NAME (DI EASE	PRINT) BRIAN WOOD PHON	IE: (505) 466-8	3120 _{TITLE} CONSULTAN	т	FAX: (505) 466-9682
TOOLS IN LEASE	Ps: 1/ml	·	4/11/2004			· · · · · · · · · · · · · · · · · · ·
SIGNATURE	junion		DATE 4/11/2004			
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API NUMBER ASSIGNED: 43-019-31401

APPROVAL:

RECEIVED APR 1 2 2004



Well Location Description

MSC EXPLORATION. LP. STATE MSC 16 - 1 1270' FNL & 800' FEL Section 16. T.21 S., R.20 E., SLM Grand County. UT 5254 and el 1 from GPS)

04/06/04



Gerald G. Huddleston. LS

The above is true and correct to my knowledge and belief.

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

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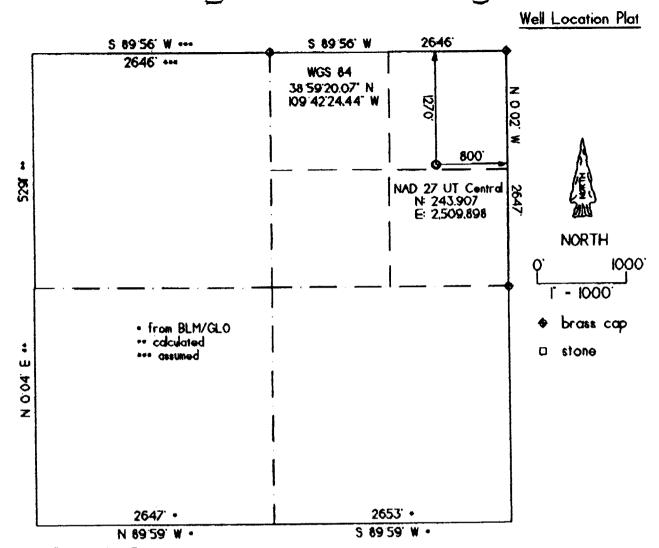
AMENDED REPORT (highlight changes)

		ML-46760			
1A. TYPE OF WO	ORK:	DRILL Z REENTER	DEEPEN		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
B. TYPE OF WE	ili: OIL 🗹	7. UNIT OF CA AGREEMENT NAME: N/A			
2. NAME OF OPE		- · · · · · · · · · · · · · · · · · · ·		_	8. WELL NAME and NUMBER:
MSC EXPL	ORATION	N.L. P. 16800 IMPERIA	AL VALLEY DR		STATE MSC 16-1
3. ADDRESS OF	OPERATOR:	CITY HOUSTON ST.	ATE TX ZIP 77	PHONE NUMBER: (281) 931-8933	9 FIELD AND POOL, OR WILDCAT: WILDCAT
4. LOCATION OF	WELL (FOOTAG	•			10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
AT SURFACE:	1270 FNI	L& 800 FEL 612066	¥ 38 9	18894	NENE 16 21S 20E S
AT PROPOSED	PRODUCING Z	ONE: SAME 431613	7 38 9 7× -109.	70407	
13. DISTANCE IN	MILES AND DIF	RECTION FROM NEAREST TOWN OR PO	OST OFFICE:		11. COUNTY: 12. STATE: UTAH
1 MILE N	OF THO	MPSON SPRINGS			GRAND
14. DISTANCE TO	NEAREST PRO	OPERTY OR LEASE LINE (FEET)	15. NUMBER O	F ACRES IN LEASE:	16. NUMBER OF ACRES ASSIGNED TO THIS WELL:
800				640	160
17. DISTANCE TO	O NEAREST WE	LL (DRILLING, COMPLETED, OR	18. PROPOSED	DEPTH:	19. BOND DESCRIPTION:
N/A	R) ON THIS LEAS			7,000	SINGLE (to be submitted)
	(SHOW WHETH	HER DF, RT, GR, ETC.):		ATE DATE WORK WILL START:	22. ESTIMATED DURATION:
5,254 GL			4/25/200)4	6 WEEKS (to drill & complete)
23.		PROPOS	SED CASING A	ND CEMENTING PROGRAM	
SIZE OF HOLE	CASING SIZI	E, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QU	ANTITY, YIELD, AND SLURRY WEIGHT
10-5/8	8-5/8	J-55 28	500	CLASS G	175 SX 1.18 15.2
7-7/8	5-1/2	N-80 17	7,000	BLEND	260 SX 3.82 11.0
				50/50 POZ	300 SX 1.21 14.4
		Service Control of the Control of th			
		and the second of			
				i en in	
24.			ATTA	CHMENTS	
VERIFY THE FOL	LOWING ARE A	ATTACHED IN ACCORDANCE WITH THE	UTAH OIL AND GAS C	ONSERVATION GENERAL RULES:	
☑ WELL PL	AT OR MAP PRI	EPARED BY LICENSED SURVEYOR OR	ENGINEER	COMPLETE DRILLING PLAN	
					RSON OR COMPANY OTHER THAN THE LEASE OWNER
EVIDENC	CE OF DIVISION	OF WATER RIGHTS APPROVAL FOR U	SE OF WATER	FORM 5, IF OPERATOR IS PE	RSON OR COMPANY OTHER THAN THE LEASE OWNER
			· · · · · · · · · · · · · · · · · · ·	00101117111	
NAME (PLEASE	PRINT) BRIA	N WOOD PHON	IE: (505) 466-8	3120 TITLE CONSULTAN	T FAX: (505) 466-9682
SIGNATURE	<u> </u>	Wood		DATE 4/11/2004	
(This space for Sta	te use only)			ממערותו	"AITIAI
			Control of the Second of the S	Approved CONFIDE	MIAL RECEIVED

43-019-31401 API NUMBER ASSIGNED:

APR 1 2 2004

DIV. OF OIL, GAS & MINING



Well Location Description

MSC EXPLORATION. L.P. STATE MSC 16 - I 1270' FNL & 800' FEL Section 16. T.21 S., R.20 E., SLM Grand County. UT 5254' grd. el. (from GPS)

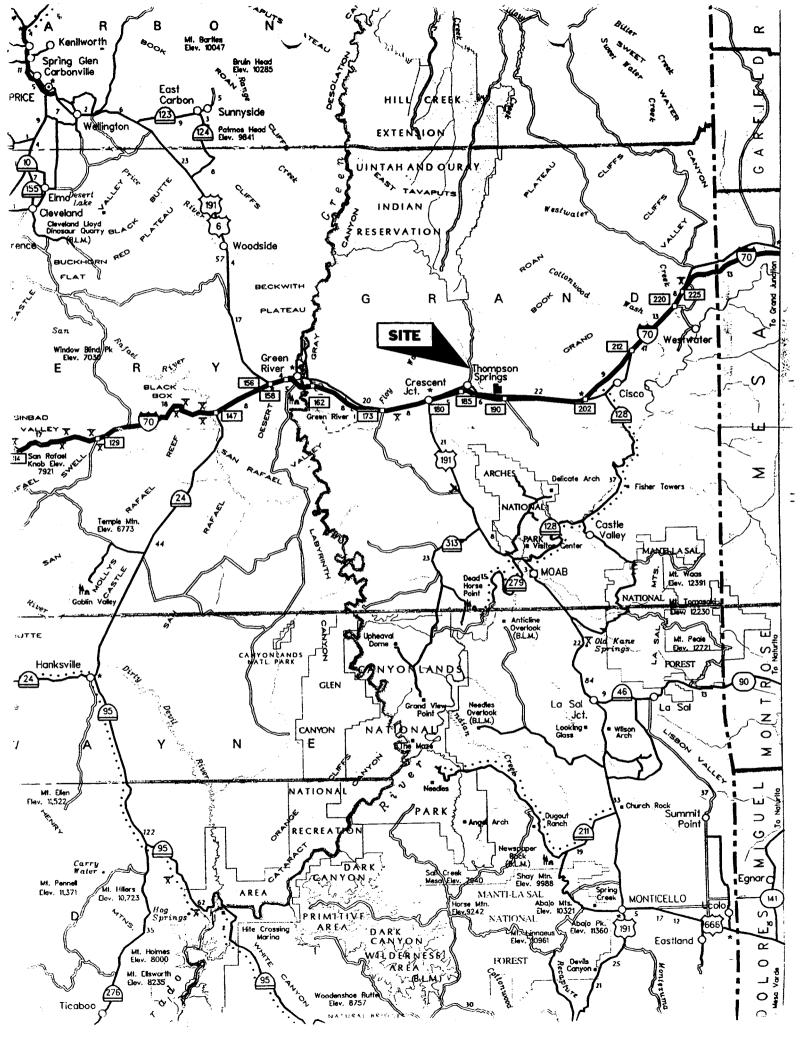
04/06/04

Gerald G. Huddleston. LS

No. 161297

The above is true and correct to my knowledge and belief.

HUDDLESTON LAND SURVEYING - BOX KK - CORTEZ. CO - (970) 565 -3330



ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR: MSC Exploration L.P.

WELL NAME & NUMBER: State MSC 16-1

API NUMBER: 43-019-31401

LEASE: State FIELD/UNIT:

LOCATION: 1/4,1/4 NENE Sec: 16 TWP: 21S RNG: 20E 1270 FNL 800 FEL LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM): X = 612061 E; Y = 43161410 N

SURFACE OWNER: SITLA

PARTICIPANTS

M. Jones (DOGM), Brian Wood (Permits West).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Proposed location is ~2 miles northwest of Thompson Springs, Utah. Staked location lies West of existing paved road traveling North from Thompson Springs into the Bookcliffs. Approximately 265' of new access will be built to access this well. The direct area drains to the South. Thompson Springs culinary water tanks and water distribution line are in close proximity to the proposed well, however both are on the East side of the paved road therefore should not be affected by any drilling or production activities associated with this well.

SURFACE USE PLAN

CURRENT SURFACE USE: Wildlife habitat and grazing.

PROPOSED SURFACE DISTURBANCE: 200' x 285' and a 165' x 60' x 10' pit. 265 feet of new access road will be built for this well.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: None.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: <u>Production facilities</u> will be on location and no pipeline is planned for at this time.

SOURCE OF CONSTRUCTION MATERIAL: Obtained locally and transported in.

ANCILLARY FACILITIES: None anticipated.

WASTE MANAGEMENT PLAN:

The reserve pit will be fenced 4' high on 3 sides with 4 strands of barbed wire or woven wire topped with barbed wire. The fourth side will be fenced once the rig moves off the hole. The fence will be kept in good repair while the pit dries. All trash will be placed in a trash cage. When full, it will be hauled to a state approved landfill. There will be no trash burning or disposal of trash in the reserve pit. Chemical toilets will be used for human waste. Their contents will be disposed of in state approved facilities. No oil will be allowed on the reserve pit. Any oil which accumulates on the pit will be skimmed off and hauled to a state approved recycle facility. Once dry, the reserve pit contents will be buried in place. The pit will be back filled sufficiently deep so no liner is exposed.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: Dry washes.
FLORA/FAUNA: Freemont barberry, crested wheat grass and other native grasses, greasewood, shadscale, prickly pear, deer, antelope, small game, raptors and other fowl, rodents and reptiles.
SOIL TYPE AND CHARACTERISTICS: Sandy clay loam.
SURFACE FORMATION & CHARACTERISTICS:
EROSION/SEDIMENTATION/STABILITY: Stable until disturbed.
PALEONTOLOGICAL POTENTIAL: None observed.
RESERVE PIT
CHARACTERISTICS: Dugout earthen.
LINER REQUIREMENTS (Site Ranking Form attached): Liner required.
SURFACE RESTORATION/RECLAMATION PLAN
As per surface use agreement.
SURFACE AGREEMENT: As per SITLA.
CULTURAL RESOURCES/ARCHAEOLOGY: Arch survey completed by Grand River Institute on 4/21/04.
OTHER OBSERVATIONS/COMMENTS
No utilities running along roadside on West side of pavement. Water line running along East side of pavement.
ATTACHMENTS
Photos of this location were taken and placed on file.
Mark L. Jones April 22, 2004 / 9:30 am DOGM REPRESENTATIVE DATE/TIME

Evaluation Ranking Criteria and Ranking Score For Reserve and Onsite Pit Liner Requirements

For Reserve and C	msite Pit Liner R	equirements
Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200 75 to 100	5 10	
25 to 75	15	
<25 or recharge area	20	0
Distance to Surf. Water (feet)	0	
>1000 300 to 1000	2	
200 to 300	10	
100 to 200 < 100	15 20	0
	20	
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280 500 to 1320	5	
<500 to 1320 <500	10 20	0
Distance to Other Wells (feet) >1320	0	
300 to 1320	10	
<300	20	0
Native Soil Type	•	
Low permeability Mod. permeability	0 10	
High permeability	20	20
Fluid Type		
Air/mist	0	
Fresh Water TDS >5000 and <10000	5 10	
TDS >10000 and <10000 TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of		_
hazardous constituents	20	5
Drill Cuttings Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches)		
<10	0	
10 to 20	5	•
>20	10	0
Affected Populations <10	0	
10 to 30	6	
30 to 50	8	
>50	10	10
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	15

Sensitivity Level II = 20 or more; total containment is required.

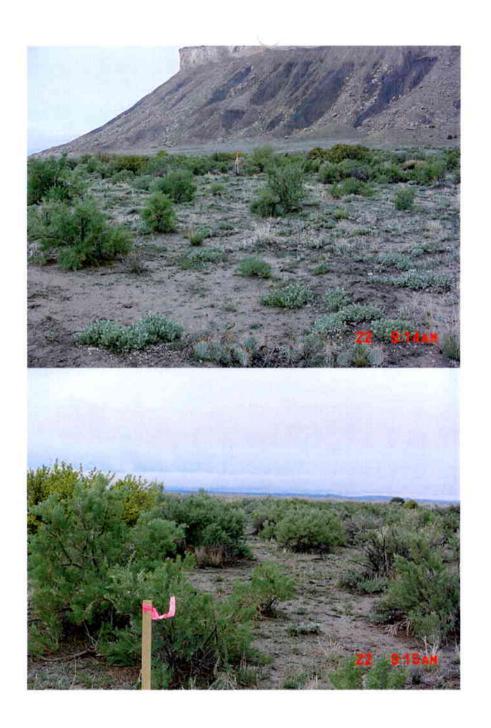
Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.

Final Score







DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	MSC Exploration L.P.	
WELL NAME & NUMBER:	State MSC 16-1	
API NUMBER:	43-019-31401	
LOCATION: 1/4,1/4 NENE Sec: 1	<u>16</u> TWP: <u>21S</u> RNG: <u>20E</u> <u>1270</u> F <u>N</u> I	L <u>800</u> F <u>E</u> L
Geology/Ground Water:		
Significant volumes of high quality	ground water are unlikely to be encou	intered in the bedrock at this location.
A poorly to moderately permeable	soil is likely to be developed on Quate	ernary alluvium covering the Upper part
of the Blue Gate Member of the Ma	incos Shale. A shallow fresh water re	source may be encountered in the
coarser sediments of the alluvium a	round the creek bottom in Thompson	Canyon. The proposed casing and
cementing program should adequate	ely isolate any zones of fresh water that	at may be penetrated. One surface
point-to-point water right has been	filed on an area within a mile of the pr	roposed well site.
Reviewer: Christon	pher J. Kierst	Date: 4/23/2004
Surface:		
road traveling North from Thompson access this well. The direct area drain	n Springs into the Bookcliffs. Approxi ins to the South. Thompson Springs cu	ked location lies West of existing paved mately 265' of new access will be built to linary water tanks and water distribution e East side of the paved road therefore
	g or production activities associated we pre-drill meeting for this well, none	of whom chose to attend.

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve

Conditions of Approval/Application for Permit to Drill:

pit.

State Online Services

Agency List

Business.utah.gov

Search Utah.gov

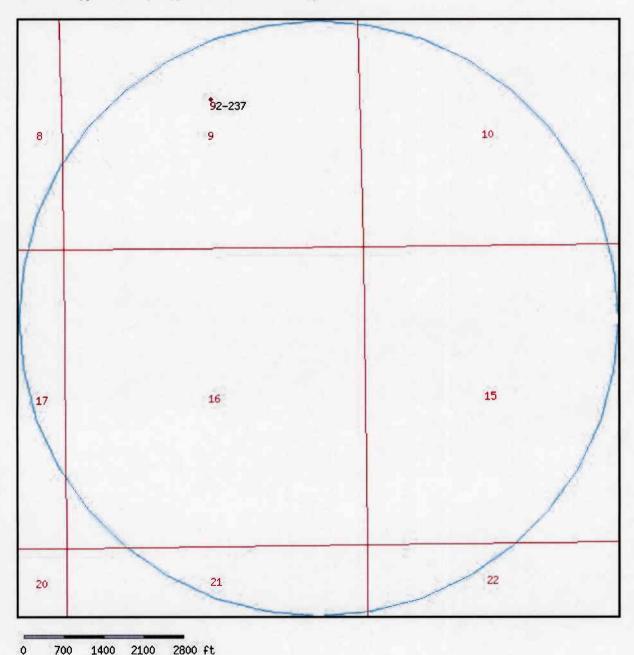
UTAH DIVISION OF WATER RIGHTS

WRPLAT Program Output Listing

Version: 2004.03.26.00

Rundate: 04/23/2004 10:40 AM

Radius search of 5280 feet from a point S1270 W800 from the NE corner, section 16, Township 21S, Range 20E, SL b&m Criteria:wrtypes=W,C,E podtypes=all status=U,A,P usetypes=all



Water Rights

ACFT Ow **WR Number Diversion Type/Location** Well Log **Priority CFS** Status Uses 92-237 Point to Point P 18700000 S 0.011 0.000 Edward S 0 0 09 21S 20E SL

UT

Natural Resources | Contact | Disclaimer | Privacy Policy | Accessibility Policy

Well name:

04-04 MSC State MSC 16-1

Operator:

MSC Exploration L.P.

String type:

Production

Project ID: 43-019-31401

Location:

Grand County, Utah

Design parameters:

Collapse

9.000 ppg Mud weight: Design is based on evacuated pipe.

Minimum design factors: Collapse:

1.125 Design factor

Environment:

H2S considered? Surface temperature: Bottom hole temperature:

No 65 °F 163 °F

Temperature gradient:

1.40 °F/100ft

Minimum section length: 1,500 ft

Burst

Max anticipated surface

2,433 psi pressure: 0.120 psi/ft Internal gradient: Calculated BHP 3,273 psi

No backup mud specified.

Burst: Design factor

1.00

Cement top:

2,187 ft

Tension:

8 Round STC: 1.80 (J) 8 Round LTC: 1.80 (J) 1.60 (J) 1.50 (J) **Buttress:** Premium: 1.50 (B) Body yield:

Tension is based on air weight. Neutral point: 6.045 ft Non-directional string.

Run	Segment		Nominal		End	True Vert	Measured	Drift	Internal
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Capacity (ft³)
1	7000	5.5	17.00	N-80	LT&C	7000	7000	4.767	241.2
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3273	6290	1.92	3273	7740	2.37	119	348	2.92 J

Prepared

Dustin K. Doucet

Utah Dept. of Natural Resources by:

Phone: (801) 538-5281

FAX: (801)359-3940

Date: April 27,2004 Salt Lake City, Utah

N/A.

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

04-04 MSC State MSC 16-1 Well name:

MSC Exploration L.P. Operator:

Surface String type:

Project ID:

Grand County, Utah Location:

43-019-31401

Design parameters: Collapse

8,400 ppg Mud weight: Design is based on evacuated pipe.

Minimum design factors: Collapse:

1.125 Design factor

Environment:

H2S considered? No 65 °F Surface temperature: 72 °F Bottom hole temperature: 1.40 °F/100ft

Temperature gradient: 299 ft Minimum section length:

Burst:

1.00 Design factor

Cement top:

43 ft

Burst

Max anticipated surface

pressure: 440 psi 0.120 psi/ft Internal gradient: 500 psi Calculated BHP

No backup mud specified.

Tension:

8 Round STC: 1.80 (J) 1.80 (J) 8 Round LTC: **Buttress:** 1.60 (J) 1.50 (J) Premium:

1.50 (B) Body yield:

Tension is based on air weight. Neutral point: 438 ft Non-directional string.

Re subsequent strings:

7.000 ft Next setting depth: Next mud weight: 9,000 ppg Next setting BHP: 3,273 psi 19.250 ppg Fracture mud wt: 500 ft Fracture depth: Injection pressure 500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (Ibs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	500	8.625	28.00	(H-40)	ST&C	500	500	7.892	27.6
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	218	1610	7.38	500	2470	4.94	14	233	16.64 J

Prepared

Dustin K. Doucet

Utah Dept. of Natural Resources

Phone: (801) 538-5281 FAX: (801)359-3940

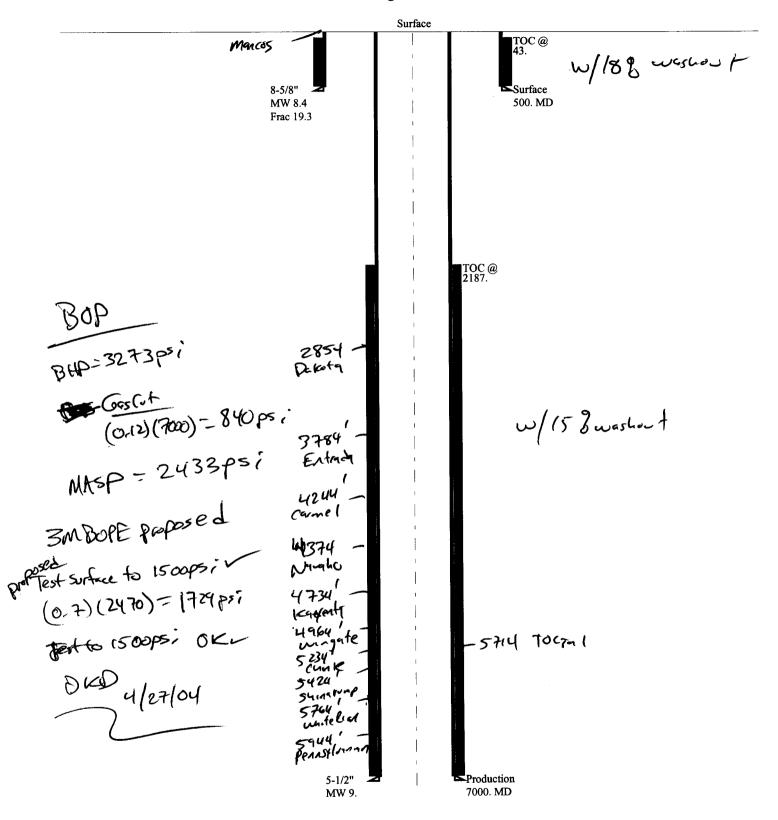
Date: April 27,2004 Salt Lake City, Utah

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

_ 04-04 MSC State MSC 16-_

Casing Schematic



4/28/04

Mark Markham 435-259-1341

- Resident of Thompson Springs. Well location being built near his house.

- Need info. 3 call back.

John - this is it, we are waiting for RDCC, which will be up on 5-1-04. Please return to Diana Whitney

Bond rec'd 4/28 ER \$35,000



April 11, 2004

Diana Whitney Utah Div. of Oil, Gas, & Mining P. O. Box 145801 Salt Lake City, Ut. 84114-5801

Dear Diana,

On behalf of MSC Exploration L. P., I am applying for approval of an exception location for their State MSC 16-1 wildcat oil well in Section 16, T. 21 S., R. 20 E., Grand County. I am requesting an exception because of geology.

This well is staked at 1270' FNL & 800' FEL on an 640 acre state lease. An orthodox well could be staked at 960' FNL & 800' FEL, but this would move it away from the seismically defined target. MSC is requesting permission to drill at 1270' FNL & 800' FEL 16-21s-20e. This is the only oil or gas well existing or planned in the quarter-quarter. There are no wells of any type within a mile radius. Closest lease line is 800' east. MSC is owner of all drilling units within a minimum 800' radius of the proposed exception. This includes all of Section 16 and at least three of the eight directly or diagonally offsetting drilling units. The unit (SENE Sec. 16) toward which the well encroaches is part of the same MSC State lease.

MSC has a rig available May 1, They would be very grateful if the APD could be approved by about April 25. This would allow time for construction, etc. MSC will be filing a Form 5 and a single well bond.

Please call me if you have any questions.

Sincerely,

Brian Wood

cc: Faust

RECEIVED
APR 1 2 2004

Drilling Program

1. Formation Name	Depth from GL	Depth from KB	Elevation
Mancos Shale	0'	12'	+5,254'
Dakota Sandstone	2,854'	2,866'	+2,400'
Moab Tongue	3,694'	3,706'	+1,560'
Entrada Sandstone	3,784'	3,796'	+1,470'
Carmel Sandstone	4,244'	4,256'	+1,010'
Navajo Sandstone	4,374'	4,386'	+880'
Kayenta Sandstone	4,734'	4,746'	+520'
Wingate Sandstone	4,964'	4,976'	+290'
Chinle Shale	5,234'	5,246'	+20'
Shinarump Congl.	5,424'	5,436'	-170'
Moenkopi Shale	5,489'	5,501'	-235'
White Rim Sandstone	5,764'	5,766'	-510'
Pennsylvanian Top	5,944'	5,956'	-690'
Pennsylvanian Sandston		6,679'	-1,413'
Total Depth	7.000'	7,012'	-1,746'

(All depths are based on an ungraded ground level of 5,254')

2. NOTABLE ZONES

Pennsylvanian is the primary goal. Other potential oil or gas zones are the Dakota, Moab, Navajo, Wingate, and White Rim. The Glen Canyon group of sandstones are possible water zones.

3. PRESSURE CONTROL (Also see "5." on PAGE 2)

A 3,000 psi BOP and choke manifold will be used from the bottom of the surface casing to TD. (A typical 3,000 psi BOP system is on Page 3. Actual model will not be known until the bid is let.) BOP Equipment and the 8 5/8



casing will be pressure tested to rated pressures prior to drilling out of the 8 5/8" surface casing. BOP rams will be function tested on trips and the stack will be pressure tested every 30 days if necessary. Tests will be recorded in the driller's log. BOPs will be inspected and operated daily to assure good mechanical working order.

4. CASING & CEMENTING

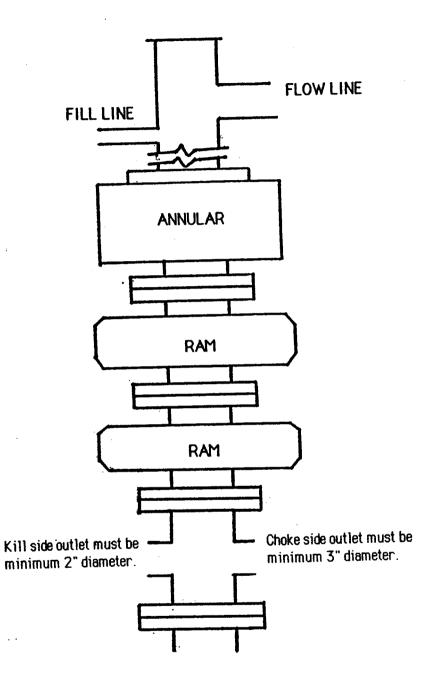
Hole Size	O. D.	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	<u>Age</u>	<u>Setting Depth</u>
10-5/8"	8-5/8"	28	J-55	ST&C	New	500'
7-7/8"	5-1/2"	17	N-80	LT&C	New	7,000'

All tubular goods will be new or inspected to premium specifications. Casing strings will be pressure tested to 0.22 psi/ft of casing string length or to 1,500 psi whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe. Surface casing shoe will be set in a competent formation. A pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

Surface casing will be cemented to the surface with ≈ 175 sacks ($\approx 100\%$ excess) Class G (weight = 15.2 pounds per gallon & yield 1.18 cubic feet per sack).

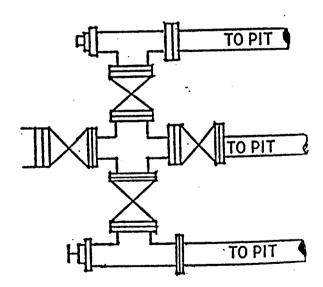
Production casing will be cemented to the surface. Lead cement will consist of $\approx\!260$ sacks Blend weight (weight = 11.0 pounds per gallon & yield = 3.82 cubic feet per sack). Tail with $\approx\!300$ sacks 50/50 poz (weight = 14.4 pounds per gallon & yield 1.21 cubic feet per sack). Wait on cement, set slips with casing in full tension. Actual volumes to be determined after reviewing logs and shows. All potentially productive zones will be covered with cement.





TYPICAL BOP STACK & CHOKE MANIFOLD

There will be at least 2 chokes and 2 choke line valves (3" minimum). The choke line will be 3" in diameter. There will be a pressure gauge on the choke manifold.



Kill line will be minimum 2" diameter and have 2 valves, one of which shall be a minimum 2" check valve.

Upper kelly cock will have handle available.

Safety valve and subs will fit all drill string connections in use.

All BOPE connections subjected to well pressure will be flanged, welded, or clamped.



5. MUD PROGRAM

Will drill from surface to ≈500' with air and/or fresh water mud system. Will drill remainder of hole with LSND.

6. DATA GATHERING

May cut cores or may run drill stem tests depending on shows. Mud loggers will be on site from ≈ 500 ' to TD and will collect samples every 10'. They will have FID and chromatograph unit. Will run following log suites:

GR/Dual Induction - SFL
GR/Bore Hole Compensated Sonic
GR/Neutron Density
Continuous Dip meter - FMI
Gamma Ray - Directional

7. DOWN HOLE CONDITIONS

Maximum anticipated bottom hole pressure is ≈3,000 psi. No hydrogen sulfide, abnormal pressures, nor abnormal temperatures are expected.

8. MISCELLANEOUS

Projected spud date is May 1, 2004. It will take ≈ 3 weeks to drill the well and ≈ 2 weeks to complete the well.



Surface Use Plan

1. EXISTING ROADS & DIRECTIONS (See PAGES 9 & 10)

From the Thompson Springs Exit (#185) on I-70 ... Go North 2.1 miles on U-94 through Thompson Springs Then turn left and follow flagging cross country NW for ≈256' to the well

2. ROAD TO BE BUILT

No upgrading is needed. The last ≈ 200 ' of road will be built with a minimum 14' wide running surface. Maximum grade = 1%. Maximum cut or fill = 2'. A cattle guard will be offset west from the existing fence and installed at a 45' angle.

3. EXISTING WELLS

There are no existing injection, disposal, oil, or gas wells within a mile radius.

4. PROPOSED PRODUCTION FACILITIES

A tank battery, separator, and pump will be installed on the pad. All surface equipment will be painted a flat juniper green color.

5. WATER SUPPLY

Water will be trucked from Thompson and Marsing Construction and Ready Mix (right #92-117) in Green River.



6. CONSTRUCTION MATERIALS & METHODS

Topsoil and brush will be stripped and stockpiled west of the pad. Excess subsoil will be formed into a berm and stored north of the pad. A diversion ditch will be cut east of the pad. The reserve pit will be lined with minimum 12 mil plastic. Gravel will be bought from a private landowner.

7. WASTE DISPOSAL

The reserve pit will be fenced 4' high on 3 sides with 4 strands of barbed wire or woven wire topped with barbed wire. The fourth side will be fenced once the rig moves off hole. The fence will be kept in good repair while the pit dries.

All trash will be placed in a trash cage. When full, it will be hauled to a state approved landfill. There will be no trash burning or disposal of trash in the reserve pit. Chemical toilets will be used for human waste. Their contents will be disposed of in state approved facilities.

No oil will be allowed on the reserve pit. Any oil which accumulates on the pit will be pumped or skimmed off and hauled to a state approved recycle facility. Once dry, the reserve pit contents will be buried in place. The pit will be back filled sufficiently deep so no liner is exposed.

8. ANCILLARY FACILITIES

There will be no airstrip or formal camp. Camper trailers will be on site for the company man, roughnecks, mud logger, tool pusher, etc.



9. WELL SITE LAYOUT

See PAGES 11 & 12 for depictions of the well pad, cross sections, cut and fill diagrams, reserve pit, burn pit, access road onto the pad, parking, living facilities, and rig orientation.

10. RECLAMATION

After completing drilling, the well site and immediate area will be cleared of all debris and material not needed for production.

Reclamation will start when the reserve pit is dry. At least 2' of cover will be placed on the reserve pit. All areas not needed for production will be back filled, contoured to match natural contours, and reserved topsoil and brush evenly spread. If the well is a producer, then enough topsoil will be kept aside to reclaim the rest of the pad. Disturbed areas will be ripped, harrowed, or scarified before seeding.

All reclaimed areas will be broadcast seeded in late fall or winter with seed mix specified by the State. Seeded areas will be left rough and lightly harrowed or drug with a chain after seeding.

11. SURFACE OWNER

All construction is on lease and on State and Institutional Trust Land Authority land.

12. OTHER INFORMATION

Closest first aid is the Green River Medical Center at 305 West Main in Green River, Utah. Its phone number is (435) 564-3434. It is a 1/2 hour drive.



13. REPRESENTATION

Anyone having questions concerning the APD should contact:

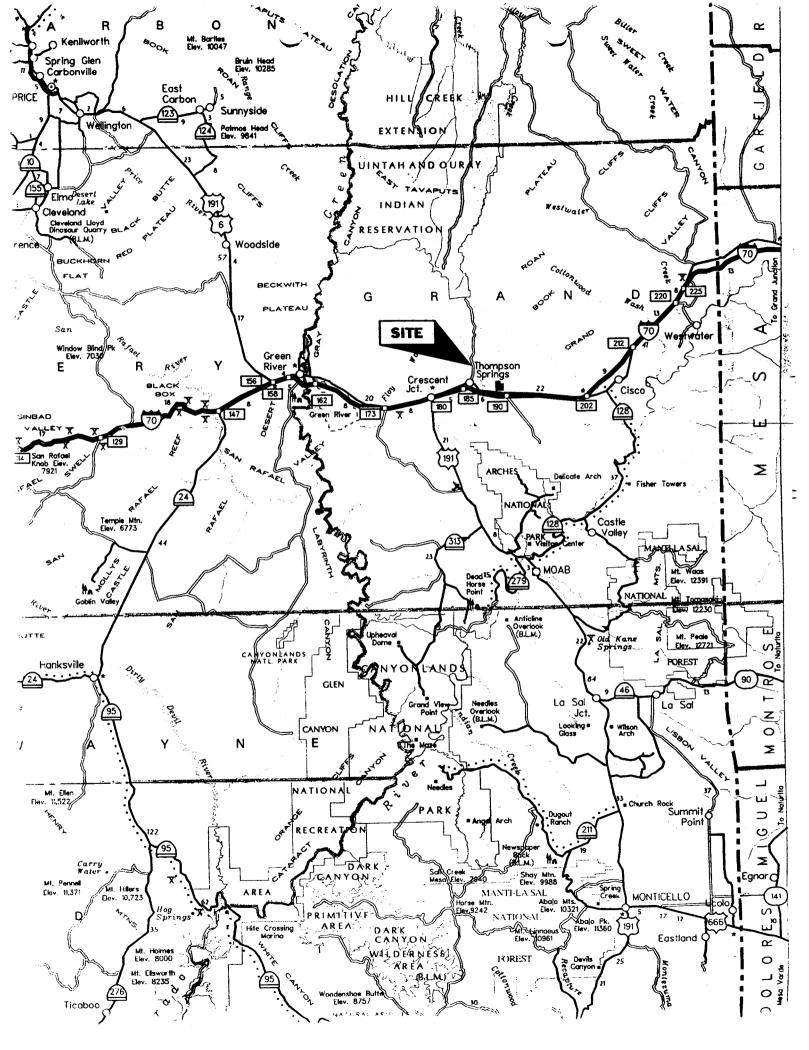
Brian Wood
Permits West, Inc.
37 Verano Loop
Santa Fe, NM 87508
(505) 466-8120 FAX: (505) 466-9682 Mobile: (505) 699-2276

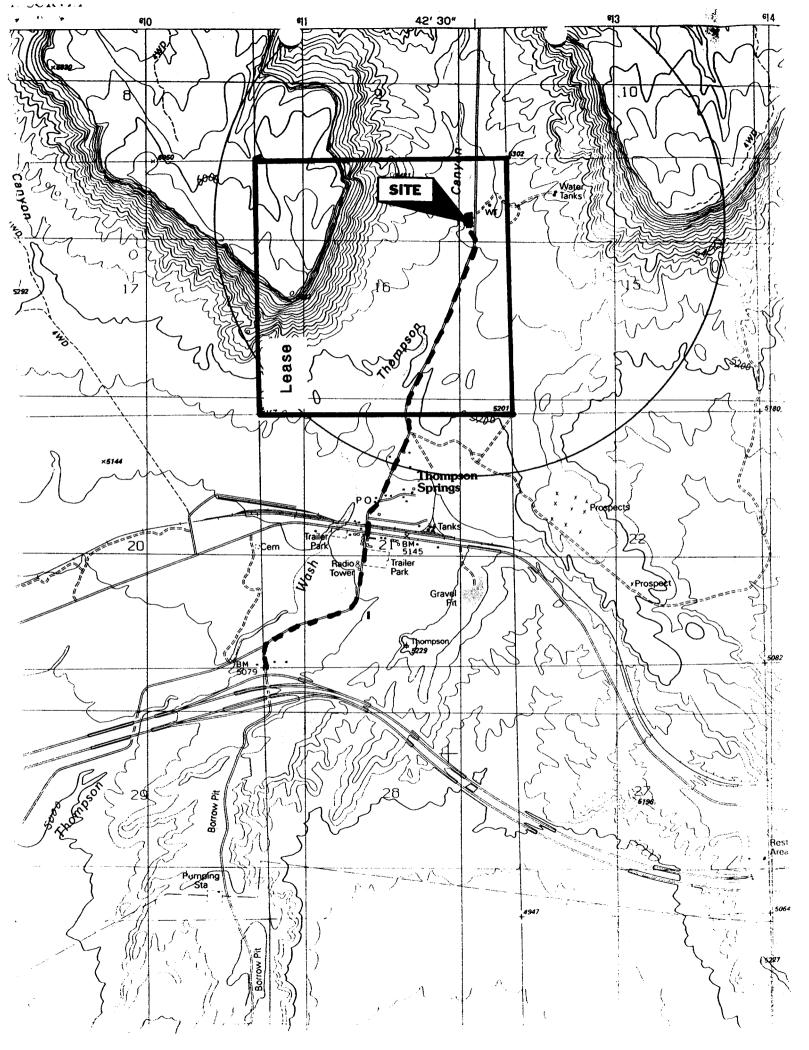
The operator's contact is:

Lynn Faust
MSC Exploration L. P.
16800 Imperial Valley Dr., Suite 380
Houston, TX 77060
(201) 031,8033

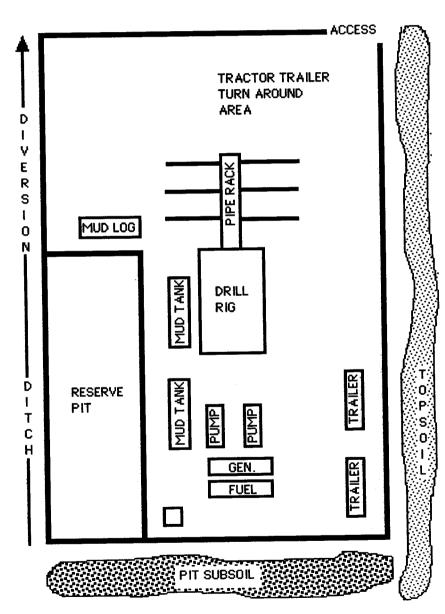
(281) 931-8933 FAX (281) 931-8655 Mobile: (832) 434-9900





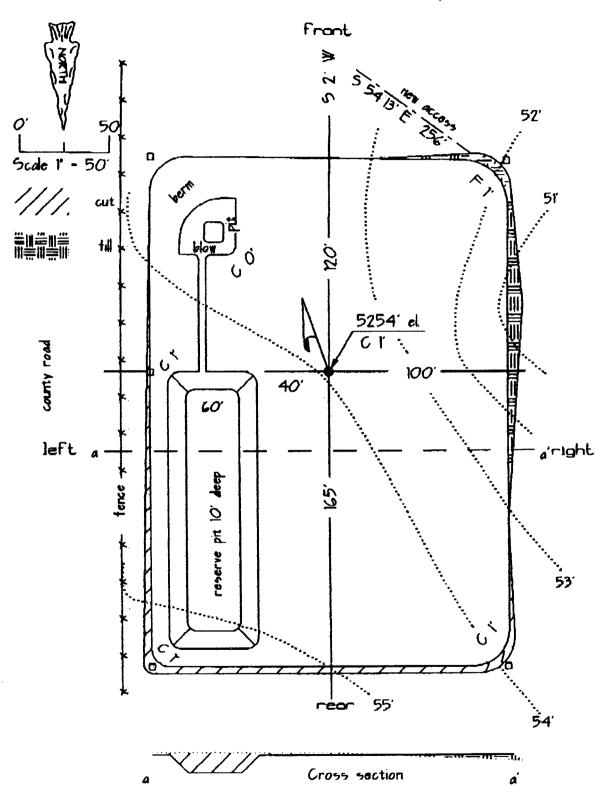








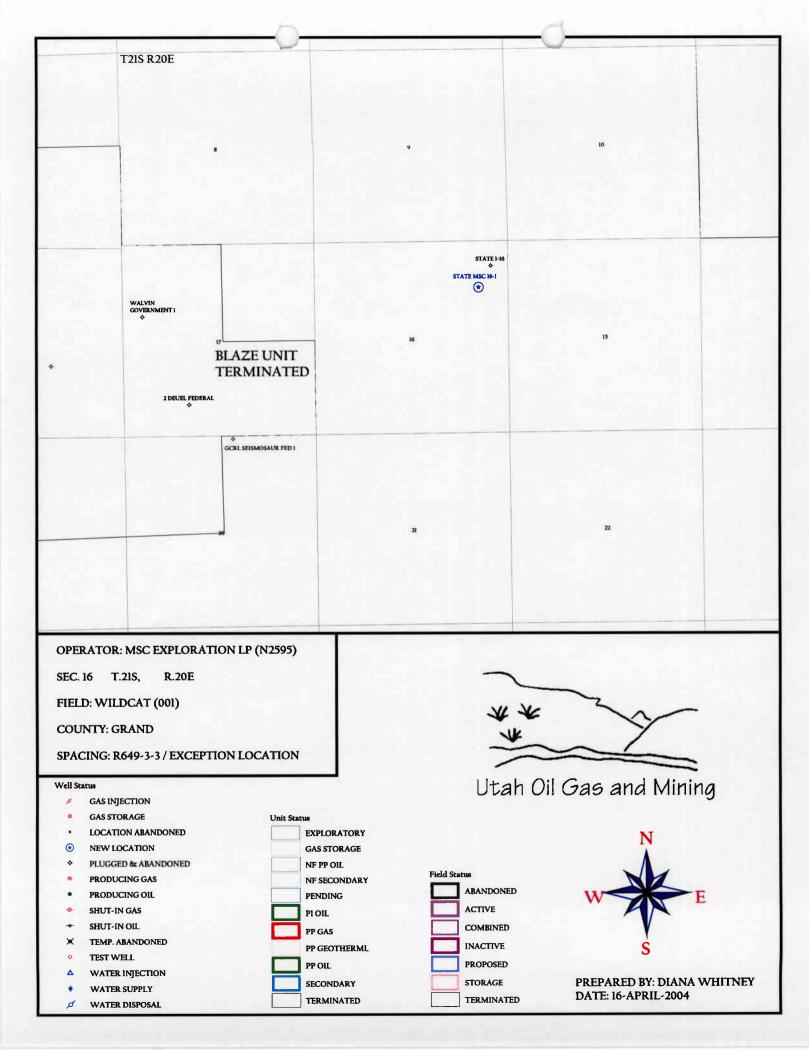
State MSC 16 - 1 well pad & section



INMUTES FALL FA

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/12/2004	API NO. ASSIGN	ED: 43-019-314	101	
WELL NAME: STATE MSC 16-1 OPERATOR: MSC EXPLORATION, LP (N2595) CONTACT: BRIAN WOOD	PHONE NUMBER: 5	05-466-8120		
PROPOSED LOCATION:				
NENE 16 210S 200E	INSPECT LOCATI	N BY: /	/	
SURFACE: 1270 FNL 0800 FEL BOTTOM: 1270 FNL 0800 FEL	Tech Review	Initials	Date	
GRAND	Engineering	DRO	4/27/04	
WILDCAT (1)	Geology		'	
LEASE TYPE: 3 - State LEASE NUMBER: ML-46760	Surface			
SURFACE OWNER: 3 - State PROPOSED FORMATION: PENN COALBED METHANE WELL? NO	LATITUDE: 38.98894 LONGITUDE: 109.70607			
Plat ———————————————————————————————————	Drilling Un Board Caus Eff Date: Siting:	General From Qtr/Qtr & 920 Exception it e No:		
STIPULATIONS: 1. CALLES SAP	· (Read 4-22-04)) 	10:1	
2 STATEMENT	OF BASIS			



The undersigned is, on record, the holder of all and gas lease

STATE OF UTAM DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

FORM 5

				-
DESIGNA	TION OF	AGENT	OR OPERATOR	R

LEASE NAME:	Tickenatu 01/ + Gas Company LLC	
LEASE NUMBER:	ML 46760	
and hereby designates		
NAME:	MSC Exploration, L.P. N2595	
ADDRESS:	16800 Imperial Valley Dr. Sto 380	
	city Houston state TX zip 77060	
as his (check one) agent // operator // with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:		
1	o which this designation is applicable. Identify each oil and gas well by API number and name. Attach additional pages as	
-	T.215, R.20E	
	Section 16 ALL;	
AN AND LOCATED CHILD FILE CHIL	designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the understood that this designation of agent or operator does not constitute an assignment of any interest in	
in case of default on the p	pert of the designated agent/operator, the lesses will make full and prompt compliance with all rules, lesse perd of Oil, Gas and Mining of the State of Utsh or its authorized representative.	
	omptly notify the Division Director or Authorized Agent of any change in this designation.	
	matton: April 14, 2004	
	no S. Jones OF: 100mpany 11c/ewater Oil + Cas Company Let	
(Signature)	anages wares 11614 Elk Herel Pange Rel	
(Phone) (303)	6) 932-1181 to 10/27	
(\$/2000)	RECEIVED	
	APR 1 5 2004	
	DIV. OF OIL, GAS & MINING	

STATE ACTIONS

Governor's Office of Planning and Budget Resource Development Coordinating Committee P.O. Box 145610

1594 W. North Temple, Suite 3710 SLC, UT 84114-5610

538-5535

1. Administering State Agency	2. Approximate date project will start:
Oil, Gas and Mining	
1594 West North Temple, Suite 1210	Upon Approval or April 25, 2004
Salt Lake City, UT 84114-5801	
3. Areawide clearinghouse(s) receiving state action: (to b	be sent out by agency in block 1)
Southeastern Utah Association of Governments	
4. Type of action: //Lease /X/Permit //License	/ / Land Acquisition
//Land Sale //Land Exchange //Other	
5. Title of proposed action:	
Application for Permit to Drill	
6. Description:	
MSC Exploration, L.P. proposes to drill the State MSC 1	16-1 well (wildcat) on a State lease ML-46760, Grand County,
Utah. This action is being presented to the RDCC for co	onsideration of resource issues affecting state interests. The
	rative agency in this action and must issue approval before
operations commence.	
7. Land affected (site location map required) (indicate co	
1270' FNL 800' FEL NE/4, NE/4	•
Section 16, Township 21 S, Range 20 E, C	rand County, Utah
8. Jordan River Natural Areas Forum review – If the pro	posed action affects lands within the Jordan River Natural
Areas Corridor. N/A	•
9. Has the local government(s) been contacted? No	
If yes,	
a. How was contact made?	
b. Who was contacted?	
c. What was the response? d. If no response, how is the local government(s) likely to	he impacted?
d. If no response, now is the local government(s) likely to	be impacted.
10. Possible significant impacts likely to occur:	
Degree of impact is based on the discovery of oil or gas	in commercial quantities.
11. Name and phone of district representative from your N/A	agency near project site, if applicable:
12. For further information, contact:	13. Signature and title of authorized officer
	M. K. Dan
Diana Whitney	John R. Baza, Associate Director
Diana Whitney Phone: (801) 538-5312	Date: April 16, 2004
1 HOHE. (001) 550-5512	2 11/21 10, 2001

수 Grand River Institute 수

P.O. Box 3543 & Gread Junction, CO 81502 & 970/245-7869 FAX 970/245-6317

April 16, 2004

Solaris Exploration, Inc. 16800 Imperial Valley Drive, Ste 380 Houston, TX 77060

Aun: Ms Lynn S. Fanst, Vice President

Re: GRI Project No. 2409 — Class III cultural resources inventory for the State MSC 16-1 well location in Grand County, Utah

Dear Ms Faust:

The field work for the above cited project has been completed. One historic site and one prohistoric included find were recorded but both were field evaluated as non-significant and will not affect your well location. Our final report is under way and will be sent upon payment of the attached invoice. Please call me if have any questions.

Sincerely,

Carl E. Conner

Director

RECEIVED

APR 2 0 2004

DIV. OF OIL, GAS & MINING

From:

Ed Bonner

To:

Whitney, Diana

Date:

4/23/2004 12:44:52 PM

Subject:

Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

MSC Exploration State MSC 16-1

Miller, Dyer & Company Ute Tribal 10-2-15-20

Westport Oil & Gas Company Bonanza 1023-2G Bonanza 1023-2I Bonanza 1023-2O

ConocoPhillips Company Utah 32-617

If you have any questions regarding this matter please give me a call.

CC:

Garrison, LaVonne; Hill, Brad; Hunt, Gil



Department of

Division of Oil, Gas & Mining

Natural Resources

ROBERT L. MORGAN Executive Director

LOWELL P. BRAXTON
Division Director

May 4, 2004

MSC Exploration L. P. 16800 Imperial Valley Dr. Suite 380 Houston, TX 77060

Re:

State MSC 16-1 Well, 1270' FNL, 800' FEL, NE NE, Sec. 16, T. 21 South, R. 20 East, Grand County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-019-31401.

Sincerely,

John R. Baza
Associate Director

pab Enclosures

cc: Grand County Assessor

SITLA

Operator:	MSC Exploration L. P.	
Well Name & Number	State MSC 16-1	
API Number:	43-019-31401	
Lease:	ML-46760	

Location: NE NE Sec. 16 T. 21 South R. 20 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2 Conditions of Approval API #43-019-31401 May 4, 2004

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company:	MSC EXPLOR	ATION LP	
Well Name:	STATE MSC 10	5-1	
Api No: 43-019-31	401 L	ease Type:	STATE
Section <u>16</u> Townshi	21S Range 20E	County(GRAND
Drilling Contractor	PETE MARTIN	RIG #_	RATHOLE
	05/14/04		
	DRY		
Drilling will comme	nce: <u>05/17/04</u>		
Reported by	GALEN WILLIAMS	, CONSULT EN	G
Telephone #	1-713-463-2361		
Date <u>05/17/2004</u>	Signed	CHD	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

FORM 6

tress: 168	<u>c explorati</u> <u>oo imperia</u> duston	ON T. P.		erator Ad .90	ecount N u	ımber: _	1595 N		
state		zip 77060		F	hone Nu	mber: g	<u> </u>		
/eli 1									
API Number		Name	QQ	Sec	Twp	Rng	County		
13-019-31401	MSC 16-	, ' 	NWSE	16		20E	GRAND		
Action Code	Current Entity Number	New Entity Number	9	Spud Da	te .	Ent E	lity Assignment Effective Date		
A	99999	14166	5	-13-	O4 .	2	5/20/04		
API Number	Wet	Name	QQ	Sec	Twp	Rng	County		
Action Code	Current Entity Number	New Entity Number	9	pud Da	to	Ent	ity Assignment Mective Date		
							RECE		
Comments;							MAY 1.8		
ell 3							DIV. OF OIL, GAS		
API Number	Well	Name	QQ	Sec	Twp	Ring	County		
A company of the comp	Current Entity Number	New Entity Number	s	pud Dat	te .		ily Assignment Mective Date		
Action Code			<u> </u>						
A - Marie - Ma			s	pud Dat	te				

(6/2000)

MSC EXPLORATION, LP 16800 IMPERIAL VALLEY DRIVE SUITE 380

HOUSTON, TEXAS 77060 281-931-8933 & 281-931-8655FAX

FACSIMILE TRANSMITTAL SHEET TO: PROM: FROM: FROM: FROM: Co-4-04 FAX NUMBER: TOTAL NO. OF PAGES INCLUDING COVER: POI - 359 - 3940 PHONE NUMBER: RE: PROM: FROM: FROM:

NOTES/COMMENTS:

Pla find revised Sordry Notice:

RECEIVED

JUN - / 2004

DIV. OF OIL, GAS & MINING

STATE OF UTAH

×	DEPARTMENT OF NATURAL RESOURCES		O CHI I DEITHIL
A-A M	DIVISION OF OIL, GAS AND MINING		5. LEASE DESIGNATION AND SERIAL NUMBER:
007			6 IF INDIAN, ALLOTTEE OR TRUBE NAME:
SHNDB/	NOTICES AND REPORTS ON WEL	LS	N/A
			7, UNIT OF CA AGREEMENT NAME:
Do not use this form for proposals to drift (new wells, significantly deepen existing wells below current bottom-hote dependerals. Use APPLICATION FOR PERMIT TO DRILL form for such propose	th, reenter plugged wells, or to	N/A
			8. WELL NAME and NUMBER:
1, TYPE OF WELL OIL WELL	GAS WELL OTHER		STATE MSC #16-1
2. NAME OF OPERATOR:			9, API NUMBER:
MSC EXPLORATION L.	16800 IMPERIAL VALLEY DR., SU		4301931401 10. HELD AND POOL, OR WILDCAT:
3. ADDRESS OF OPERATOR:		(281) 931-8933	WILDCAT
	HOUSTON TX 77060	(201) 951-0558	
4. LOCATION OF WELL			COUNTY: GRAND
FOOTAGES AT SURFACE: 1270"	FNL & 800' FEL	•	3351111 274 - 1-
	NGE MERIDIAN NENE : 16 21S 20E		STATE:
GTR/GTR, SECTION, TOWNSHIP, RA	NGE MERIDIAN: NENE 16 215 20E		UTAH
	ROPRIATE BOXES TO INDICATE NATURE	OF NOTICE, REPO	ORT, OR OTHER DATA
	ROPRIATE BOXES TO INDICATE INCIDICE	YPE OF ACTION	
TYPE OF SUBMISSION		THE OF ACTION	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT	ACIDIZE VEEPEN		SIDETRACK TO REPAIR WELL
(Submit in Duplicate)	ALYER CASING FRACTUR		
Approximate date work will start	CASING REPAIR NEW CON	STRUCTION	TEMPORARILY ABANDON
6/4/2004	CHANGE TO PREVIOUS PLANS OPERATO	RCHANGE	TUBING REPAIR
GP4/2001	CHANGE TUBING PLUG AND	ABANDÓN	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME PLIG BAC	*	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS PRODUCT	TION (START/RESUME)	WATER SHUT-OFF
Date of work completion:	3 LD	ITION OF WELL SITE	OTHER:
•		LETE - OFFERENT FORMATION	
	COMPLETED OPERATIONS. Clearly show all pertinent details	a care a description of the second	man ofo
WELL WAS ORIGINALI DRILLED FORMATION PENNSYLVANIAN SER	Y PERMITTED TO 7000' AS A PENNSYLVA S THAT WELL NEEDS TO PENETRATE AS I IES. REQUEST THAT THE PERMIT DEPTH JELY AFFECTED BY THIS DEEPENING. PR ECTRIC LOGS TO DETERMINE FILL HEIGH	NIAN TEST. OPER DEEP AS 8500' TO : I BE AMENDED TOO RODUCTION CEME!	ATOR HAS DETERMINED FROM SEE THE COMPLETE RING THE CASING DESIGNS
COPY SENT TO OF CALL	ERATOR 04		
NAME (PLEASE PRINT)	VV 14031	DATE 6/4/2004	ustratar
SIGNATURE			
	APPROVED BY TH	COLATE	
(This speak for State use only)	OF UTAH DIVISION OIL, GAS, AND I	VINING	t2500 mu. to pool ate Dikota Fm.
	-ye come if y	•	

INSTRUCTIONS



This form shall be submitted by the operator to show the intention and/or completion of the following:

miscellaneous work projects and actions for which other specific report forms do not exist;

- all other work and events as identified in section 11, Type of Action, or as required by the Utah Oil and Gas Conservation General Rules, including:
 - minor deepening of an existing well bore.

- plugging back a well,

- recompleting to a different producing formation within an existing well bore (intent only),
- reperforating the current producing formation,

- drilling a sidetrack to repair a well,

- reporting monthly the status of each drilling well.

This form is not to be used for proposals to

- driff new wells.

- reenter previously plugged and abendoned wells,

- significantly deepen existing wells below their current bottom-hole depth,

- drill horizontal laterals from an existing well bore,

- drill hydrocarbon exploratory holes such as core samples and stratigraphic tests.

Use Form 3, Application for Permit to Drill (APD) for such proposals.

NOTICE OF INTENT - A notice of intention to do work on a well or to change plans previously approved shall be submitted in duplicate and must be received and approved by the division before the work is commenced. The operator is responsible for receipt of the notice by the division in ample time for proper consideration and action. In cases of emergency, the operator may obtain verbal approval to commence work. Within five days after receiving verbal approval, the operator shall submit a Sundry Notice describing the work and acknowledging the verbal approval.

SUBSEQUENT REPORT - A subsequent report shall be submitted to the division within 30 days of the completion of the outlined work. Specific details of the work performed should be provided, including dates, well depths, placement of plugs, etc.

WELL ABANDONMENT - Proposals to abandon a well and subsequent reports of abandonment should include reasons for the abandonment, data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, and method of parting of any casing, liner, or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

In addition to any Sundry Notice forms submitted, Form 8, Well Completion or Recompletion Report and Log must be submitted to the division to report the results of the following operations:

completing or plugging a new well,

reentering a previously plugged and abandoned well,

significantly deepening an existing well bore below the current bottom-hole depth,

drilling horizontal laterals from an existing well bore,

drilling hydrocarbon exploratory holes such as core samples and stratigraphic tests,

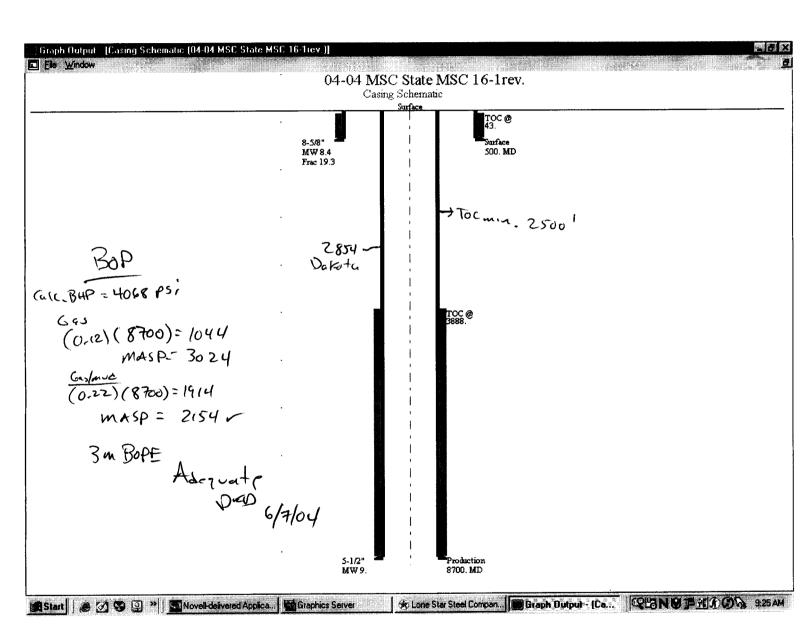
recompleting to a different producing formation.

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

801-359-3940 Fax:



CONFIDENTIAL

Well name:

04-04 MSC State MSC 16-1rev.

Operator:

MSC Exploration L.P.

String type:

Production

Location:

Grand County, Utah

Project ID:

43-019-31401

Design parameters:

Collapse

Mud weight:

9.000 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125 **Environment:**

H2S considered?

Non-directional string.

65 °F Surface temperature: 187 °F Bottom hole temperature:

1.40 °F/100ft Temperature gradient: Minimum section length: 1,500 ft

Burst:

Design factor

1.00

Cement top:

3,888 ft

No

Burst

Max anticipated surface

pressure:

3,024 psi

Internal gradient: Calculated BHP

0.120 psi/ft 4,068 psi

No backup mud specified.

Tension:

8 Round STC: 8 Round LTC:

Buttress: Premium:

Body yield:

1.50 (J) 1.50 (B)

1.80 (J)

1.80 (J)

1.60 (J)

Tension is based on air weight.

Neutral point:

7,513 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8700	5.5	17.00	N-80	LT&C	8700	8700	4.767	299.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4068	6290	1.55	4068	7740	1.90	148	348	2.35 J

Prepared

Dustin K. Doucet

Utah Dept. of Natural Resources

Phone: (801) 538-5281

FAX: (801)359-3940

Date: June 7,2004 Salt Lake City, Utah

N/A.

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.



Block, Lease and Well No. N. Thompson - State MSC #16-1	Contract Rig Union #7	DOL 46	DFC 3	Date on Location 4/27/04	Comp. Date Jun 9, 2004	Report Date Jun 12, 2004
MD TVD Footage AFE No. 8,642 8,642 PBTD	AFE Amount \$500,000	Auth. TD.			Representative arl Hulslander	
<u>Present Operation</u> Rig released at 0001 hrs 6/1204	Rig Phone: Rig Fax:	(435)	220-09		<u>er</u> onrad Tenney	

Current Weather	MMS Visit		NPDES		People on Loc.:	BOP Test Date	RIĞ I	ELEVATIONS
Wind:	Yes	No LC	50 Sample	Date	Operator	5/19/04	RKB	15 ft
Seas:	Incs?	'es			Contractor	Next BOP Test Date	Water Depth	ft
Sky:		No Pass?	Yes	☐ No	Service		RKB-CHF	ft

Casing String	OD	Wt.	Grade	Conn. Jts. Run Setting Depth		Depth	Line	r Top	MW when		LOT	***************************************	
				L		MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor	16"		LP	W		100'	100'						
Surface	8 5/8"	24	J55	STC	12	505'	505'			Air			
Production	5 1/2"	17	L80	LTC	196	8,690'	8,690'			8.9			
			 									L	
			 	\vdash		1		ļ		 			
			 			+				 			├

													<u> </u>		
BIT, WEI	GHT, SPEED AND	HYDRAUL	ICS REC	ORD											
BIT		pe and					1	Total				Avg		Grade	
No	Size Manut	acturer	Serial (Number	J	ets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
							1								
Bit Re	marks:					Cum.	ROT, Hrs	PU	Wi	SC	Wt	RO*	T Wt	Tor	aue
							43.5					110		1	que
Pump	•										T		Slow	Pump Pres	sures
No.	Stroke X Liner	Output	SPM	GPM	Pre	ssure	JV	Pb	А	V	Speed	SPM	Pump #1	Pump #2	Pump #3
		gps							DC	DP	1/4				
1	9 x 6	3.15									1/2				
2	14 x 5.5	4.37									3/4		1		

Length: 488.33		

	WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pН	Pm	Pf/Mf
PIT																
		rides	Ca	1++	Smpl Temp	F.L. Temp	Shaker	Screens	Но	urs M	lud Engine	er			lud Compar	η
PIT							#1	#2	Desand	Cent.						
L	İ											like Welk	Эг		Anchor	
							#3	#4	Desilt	Mud CI	Daily Cost			Cu	mulative C	ost

MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLOSURE
		T				1	
	 	 					
	L	i	1	1 1			

TO 0630 1000 1230 1700 1900	3.5 2.5	16 3	Crew Boat Name: Run 196 jts of 5 1/2", 17.0 #/ft., L80, LTC Production casing to 8 DV tool @ 5512'. *	390' with	Status:		
1000 1230 1700	3.5	3	DV tool @ 5512'. *	390' with	4 .		
1230			X		1 4 1		
1230			a		Activity	Daily	Cur
1700	2.5	2	Circulate. RD T & M casers. RU BJ cementing. Circulate & tes	lines.	1. Mob/DeMob	6	6
			Cement casing w/ 856 sxs, 192 bbls., 50-50 poz Class G w/ 3%	CaCl2 +	2. Cement	7.5	7.5
			.25 #/sx cello flake + .4 #X/sx. Kol seal + 5% FL52 + 2% bentoni	te + H2O.	3. Circulate	5.5	16.
			Plug bumped w/ 202 bbls displaced @ 1000 psi. Float held 15 n	ninutes.	4. Directional Work		
1000	4.5	2	Open DV tool @ 5512'. Circulate through DV tool.		5. Drilling		
1900	2.0	3	Cement 2nd stage w/ Lead of 510 sxs, 188 bbls., Premium Lite I	+ 5#/sx	6. Drive Pipe		
			CSE + .25 #/sx cello flake + 3 #X/sx. Kol seal + 1.5% NA metasi	icate +	7. Fishing		
			6% bentonite + H2O. Tail of 140 sxs, 31 bbls., 50-50 Poz Class	G + 3%	8. OH Logging		
			CaCL2 + .25#/sx celio flake + .4 #/sx kol seal + 5% FL52 + 2% b	entonite +	9. Lost Circ.		i
			H2O. Plug bumped w/ 128 bbls displaced @ 1500 psi. Float he	d 15 mins.	10. Drill Cmt./LOT		(
			RD BJ cementers.		11. N.U./ N.D.	0.5	0.
1930	0.5	2	Set casing slips with 120,000 lbs on slips.		12. P.U./L.D. BHA		1.
2000	0.5	11	Clean mud tanks and begin rigging down rental equipment and r	g. Rig	13. P.U./L.D. Pipe		7
0000	4.0	14	released @ 0001 hrs on 6/12/04.		14. R/U; R/D	4	. 4
0600	6.0	1	RD Union #7 and rental equipment.		15. Rig Repair		1
					16. Run Casing	0.5	8.
					17. Service Rig		
					18. Sidetrack Op.		
					19. Stuck Pipe		
					20. Survey		
					21. Trips		6
		1	Release all rental equipment.		22. Tst. BOPs		
			Rig plans to move on Tuesday.		23. UR/HO		
			Will fence reserve pit an install wellhead.		24. W.O.W.		0.
		1			25. Wash & Ream		
			Mr. Mark Jones w/ DONR notified of running 5 1/2" casing and c	ementing.	26. Well Control		
					27. WOC		
		1			28. Other		
		<u> </u>			Total	24	6
Hours	24.0						
wntime							
	2000 0000 0600	2000 0.5 0000 4.0 0600 6.0	2000 0.5 11 0000 4.0 14 0600 6.0 1 Hours 24.0 viritine Fuel U Daily 2	6% bentonite + H2O. Tail of 140 sxs, 31 bbls., 50-50 Poz Class CaCL2 + .25#/sx cello flake + .4 #/sx kol seal + 5% FL52 + 2% b H2O. Plug bumped w/ 128 bbls displaced @ 1500 psi. Float hel RD BJ cementers. 1930 0.5 2 Set casing slips with 120,000 lbs on slips. 2000 0.5 11 Clean mud tanks and begin rigging down rental equipment and ri 0000 4.0 14 released @ 0001 hrs on 6/12/04. 0600 6.0 1 RD Union #7 and rental equipment. Release all rental equipment. Rig plans to move on Tuesday. Will fence reserve pit an install wellhead. Mr. Mark Jones w/ DONR notified of running 5 1/2" casing and continuous 24.0 Tours 24.0 Fuel Usage Bulk Material on Board Daily 210 Bbls Cement: sx	1930 0.5 2 Set casing slips with 120,000 lbs on slips. 2000 0.5 11 Clean mud tanks and begin rigging down rental equipment and rig. Rig 0000 4.0 14 released @ 0001 hrs on 6/12/04. 0600 6.0 1 RD Union #7 and rental equipment. Release all rental equipment. Rig plans to move on Tuesday. Will fence reserve pit an install wellhead. Mr. Mark Jones w/ DONR notified of running 5 1/2" casing and cementing. Hours 24.0 Fuel Usage Bulk Material on Board Previous Daily Cement: sx Daily Cc	6% bentonite + H2O. Tail of 140 sxs, 31 bbls., 50-50 Poz Class G + 3% 8. OH Logging CaCL2 + .25#/sx cello flake + .4 #/sx kol seal + 5% FL52 + 2% bentonite + 9. Lost Circ. H2O. Plug bumped w/ 128 bbls displaced @ 1500 psi. Float held 15 mins. 10. Drill Cmt./LOT RD BJ cementers. 11. N.U./ N.D. 11. N.U./ N.D. 12. P.U./L.D. BHA 2000 0.5 11 Clean mud tanks and begin rigging down rental equipment and rig. Rig 13. P.U./L.D. Pipe 0000 4.0 14 released @ 0001 hrs on 6/12/04. 14. R/U; R/D 15. Rig Repair 16. Run Casing 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 20. Survey 21. Trips 21. Trips 22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Ream Mr. Mark Jones w/ DONR notified of running 5 1/2" casing and cementing. 26. Well Control 27. WOC 28. Other Total 24.0 24.0 25. Survey 21. Survey 22. Survey 24.0 25. Survey 25. Survey 26. Survey 27. WOC 28. Other Total 24.0 24.0 25. Wash & Ream 24.0 25. Wash & Ream 26. Well Control 27. WOC 28. Other Total 28. Writing Fuel Usage Bulk Material on Board Previous Cost \$28. Writing Previou	6% bentonite + H2O. Tail of 140 sxs, 31 bbls., 50-50 Poz Class G + 3% 8. OH Logging

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	Servi	ces		any comp	710110	Poit			
	Bloc	k, Lease and Well I	No.	Contract Rig	DOL	DFC	Date on Location	Comp. Date	Report Date
	N. Thor	npson - State MSC	#16-1	Union #7	47	4	4/27/2004	Jun 9, 2004	Jun 13, 2004
MD	TVD	Footage	AFE No.	AFE Amount	Auth. TD.		Company	Representative	
8,642	8,642	PBTD		\$500,000			c	arl Hulslander	
		Present Operat	ion	Rig Phone:	(4:	er			
		Rigging down Uni	on #7	Rig Fax:			C	onrad Tenney	

		mpson - Sta					Union #		47	4	4/27/		Jun 9,		Jun 13	3, 2004
MD 8,642	TVD 8,642	Foots		AFE	No.		AFE Amo \$500,00		Auth, TD.				Representation Repres			
-,072	0,042	Preser	ıt Operati				Rig Phon		(4	35) 220-09	99	Toolpush	er			
		Rigging d	lown Unic	on #7			Rig Fax:					C	Conrad Tenn	өу		
Current	Weather	MMS	Visit	I	NPDES		People	on Loc.:	23	BOP Test	Date	-	· · · · · · · · · · · · · · · · · · ·	RIG ELEV	ATIONS	
Wind:		☐ Yes	☐ No	LC50	Sample	Date		erator	1		5/19/2004		RKB		15	ft
Seas:		Incs?	Yes					ractor	10	Next BOP	Test Date		Water Dept	h		ft
Sky:	DEACT	L	∐ No	Pass?	Yes	☐ No	Se	rvice	12	L			RKB-CHF			ft
	RECORD Casing St		OD	Wt.	Grade	Conn.	Jis	Run	Setting	Depth	Liner	Top	MW when	1	LOT	
	ousing ou	g			0.110		,		MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff
onducto	or		16"		LP	W			100'	100'						
urface roduction			8 5/8" 5 1/2"	24 17	J55 L80	STC		96	505' 8,690'	505' 8,690'			Air 8.9	-		
Oddelic	л 1		3 1/2	 	1		<u>-</u>		0,000	0,000						
			I												ļ	
			ļ	 	<u> </u>											
IT, WEI	GHT, SP	EED AND H	YDRAUL	ICS RE	CORD		<u> </u>								·	
BIT		Bit Typ							Total		14/00	D	Avg ROP	Tooth	Grade	Gage
No	Size	Manufa	cturer	Serial	Number		ets	Depth in	Footage	Hrs	WOB	Rpm	I KUP	1000	Bearing	Gage
	<u> </u>	 														
Bit Re	marks:							ROT. Hrs 3.5	PL	J Wt	so	Wt	RO	T Wt	To:	que
ump	T		1		1	T	<u> </u>								Pump Pres	
No.	Strok	e X Liner	Output	SPM	GPM	Pressure JV		JV	Pb		V DD	Speed	SPM	Pump #1	Pump #2	Pump #
) v 6	gps 3.15	-	 				I.	DC	DP	1/4	 			
2		x 5.5	4.37		-	 		1		 		3/4		İ		
HA																
ength:		Descri	ption:											 	 -	
													· · · · · · · · · · · · · · · · · · ·			
UD DA	TÀ	······														
	WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	рН	Pm	Pf/Mf
IT	L]			ļ		ļ				 			-	
	l	<u> </u>	ļ	<u> </u>	<u> </u>	L	L	<u> </u>	<u> </u>	<u> </u>	<u> </u>	L	L		l	l
					Smpl	F.L.	Γ	_						Ι	4 40	
	Ch	lorides	C	a++	Temp	Temp	Shaker #1	Screens #2	Desand		lud Engine I	er	<u> </u>	<u> </u>	lud Compa	ny
יווי			}		+		- "	72	Desaile			/like Welk	er		Anchor	
	<u> </u>						#3	#4	Desilt	Mud CI	Daily Cos	<u> </u>		Cı	umulative C \$3,484	ost
URFCT	IONAL SI	IRVEYS						<u> </u>	<u> </u>	<u> </u>	1	L	<u>.i</u>	1	40,404	
	MD_		/Ď	I AN	IGLE	Dir	ection	Coor	dinates	\	/S	DL		CLOS	SURE	
						ļ			ļ	 -	 	ļ	 			
DERA	TIONS SU	IMMARY				<u> </u>		<u> </u>		1	1	L	٠			
	IME	1	Time	Boats:				oat Name				_	Status:			
FROM	TO	HOUR	Code	ļ				loat Name					Status:	Time C		
0600	1800	12.0	1							s. RD Pa			- Ac-	tivity	ummary Daily	Cum
		 	 					nurruge. location T			ND	5.7011	1. Mob/De		12	18
	 	 		77. [3]	9 201100			.5-541411 1					2. Cemen			7.5
	1	1		Exces	s 5 1/2" v	vill be s	tored at	Bob Bean	non Drillin	g yard. La	arry Dick	will	3. Circula			16.5
					nk bits.									onal Work		ļ
			1_									41	5. Drilling		 	<u> </u>
	ļ	ļ	<u> </u>	Mr. Ma	ark Jones	w/ DO	NR calle	d to reque	est that a	bond log t	e run on	tne	6. Drive P 7. Fishing			
	 	1	-	5 1/2 p	productio	n casin	g. Will ru	ın aπer co	mpletion	rig moves	ın.		8. OH Log		 	
	-	1	 	Coope	r Camer	on "R" s	section w	ith dry ho	le tree wil	l be instal	ed after r	ig	9. Lost Ci		† · · · · · · · · · · · · · · · · · · ·	1
	+	1	+		oved out			<u></u> y 110					10. Drill C			
	†	1		1									11. N.U./			0.5
	T	1											12. P.U./L			1.5
													13. P.U./L		-	7.5
		ļ		<u> </u>									14. R/U; F		 	4
	 	<u> </u>	_	1-									15. Rig R		 	0.5
	 	 	 	 									16. Run C		 	8.5
	 -			 	-								17. Service 18. Sidetr		 	+
		+	+-										19. Stuck			1
	+	+	+	+-			······					-	20. Surve			L
	+												21. Trips			6.5
	†												22. Tst. B	OPs		
														_		

27. WOC 28. Other 76 Previous Cost
Daily Cost
Cum. Cost \$227,955 \$3,625 \$231,580 Fuel Usage Bulk Material on Board Rig Downtime

23. UR/HO

24. W.O.W. 25. Wash & Ream 26. Well Control

0.5



	N. Thor	k, Lease and Well N npson - State MSC	_	Contract Rig # Union #7	<u>DOL</u> 48	5 DFC	Date on Location 4/27/2004	Comp. Date Jun 9, 2004	Report Date Jun 14, 2004
MD 8,642	TVD 8,642	Footage PBTD	AFE No.	AFE Amount \$500,000	Auth. TD.			Representative Carl Hulslander	· · · · · · · · · · · · · · · · · · ·
	<u>Present Operation</u> RD Union Rig #7			Rig Phone: Rig Fax:	(4:	35) 220-09		er Conrad Tenney	

Current Weather	MMS Visit	NPDES	People on Loc.:	BOP Test Date	RIG E	LEVATIONS
Wind:	Yes No	LC50 Sample Date	Operator	5/19/2004	RKB	15 ft
Seas:	Incs? Yes		Contractor	Next BOP Test Date	Water Depth	ft
Sky:	☐ No.	Pass? Yes No	Service		RKB-CHF	ft
CASING RECORD						

Casing String	OD	Wt.	Grade	Conn.	Jts. Run	Setting	Depth	Line	Тор	MW when		LOT	
						MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor	16"		LP	W		100'	100'						
Surface	8 5/8"	24	J55	STC	12	505'	505'	i		Air			
Production	5 1/2"	17	L80	LTC	196	8,690'	8,690'			8.9			
			!	 -		-							ļ
													1
						1		l					

BIT		Type and				1 '***	Total				Avg		Grade	
No	Size Ma	nufacturer	Serial	Number	Jets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
			ļ											
Bit Re	marks:				Cum	ROT. Hrs	PU	Wt	sc	Wt	RO	Wt	Tor	que
						343.5								
ump												Slow	Pump Pres	sures
No.	Stroke X Lin	er Output	SPM	GPM	Pressure	JV	Pb	A	V	Speed	SPM		Pump #2	
		gps		l l				DC	DP	1/4				
1	9×6	3.15								1/2				
	14 x 5.5	4.37		1						3/4		 		

DITA	
Length:	Description:
MUD DATA	

	WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pН	Pm	Pf/Mi		
T																		
	ļ ·				<u> </u>			L						è				
					Smpl	F.L.												
	Chlo	orides	Ca	++	Temp	Temp	Shaker	Screens	Hours Mud Engineer					Mud Company				
T							#1	#2	Desand				****	Mad Company				
											N	∕like Welke	r		Anchor			
		•					#3	#4	Desilt	Mud CI	Daily Cost			Cı	mulative C	ost		
															\$3,484	·····		
RECT	IONAL SU	RVEYS						-				•						

MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLOSURE

OPERAT	IONS SU	MMARY								
TI	ME		Time	Boats:	Supply Boat Name	:		Status:		
FROM	ТО	HOUR	Code		Crew Boat Name	:1		Status:		
0600	1800	12.0	_1	RD Union Rig	#7. Scheduled to begin n	noving Tuesday morning.		Time Su	mmary	
				·				Activity	Daily	Cum.
								1. Mob/DeMob	12	30
								2. Cement		7.5
								3. Circulate		16.5
								4. Directional Work		
		1.						5. Drilling		
								6. Drive Pipe		
					•			7. Fishing		
								8. OH Logging		
								9. Lost Circ.		
								10. Drill Cmt./LOT		
								11. N.U./ N.D.		0.5
								12. P.U./L.D. BHA		1.5
								13. P.U./L.D. Pipe		7.5
								14. R/U; R/D		4
								15. Rig Repair		
								16. Run Casing	*	8.5
								17. Service Rig		
								18. Sidetrack Op.		
					*			19. Stuck Pipe		
								20. Survey		·
								21. Trips		6.5
							,	22. Tst. BOPs		
							'	23. UR/HO		
	1							24. W.O.W.		0.5
								25. Wash & Ream		
		<u> </u>	 					26. Well Control		
	 	1.		· .				27. WOC		
		 						28. Other		5
·								Total	12	88
Total	Hours	12.0			******************				<u> </u>	
	wntime		Fuel U	Isage`	Bulk Material on Board		Previous			
Daily		Daily		Bbis	Cement:	sx	Daily Co		025	
Cum.		Cum.	80	1.5 Bbls	Barite:	sx	Cum, Co	st \$233	605	

PPI Technology Services

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MSC Exploration

Daily Completion Report

1407 88 277

	Serv	ices			L	any	y Oc	יקוויי	euo	11 176	poi	.				
	Blog	k, Lease a					Contract F	_	DOL	DFC		Location	Comp			t Date
MD	N. Tho	mpson - Sta Foota			E No.		Union # AFE Amo		50 Auth. TD.	7	4/2/	2004 Company	Jun 9, Representa		Jun 16	5, 2004
8,642	8,642	PBT		~	_ 140.	1	\$500,000		7.001. 19.				art Hulsland			
			t Operati				Rig Phon	e:	(4	35) 220-09	999	Tooloush				
	li.	nspecting D	P, WO C	ameron			Rig Fax:						Conrad Tenn	y		
Current	Weather	MMS	Visit		NPDES		People	on Loc.:		BOP Test	Date			RIG ELE\	/ATIONS	
Wind:		Yes	☐ No	LC50	Sample	Date		erator			5/19/2004		RKB		15	ft
Seas:		Incs?	Yes	Pass?	Yes	No		ractor		Next BOF	P Test Date		Water Dept	<u> </u>		ft
Sky: CASING	RECORD		NO	rass:	168		361	VICO		<u> </u>						
	Casing Str	ing	OD	Wt.	Grade	Conn.	Jts.	Run		Depth		Тор	MW when		LOT	Lisako
Conducto			16"		LP	w	<u> </u>		MD 100'	TVD 100'	MD	TVD	Run	Pres	EMW	Leakoff?
Surface	or		8 5/8"	24	J55	STC		12	505'	505'			Air			
Productio	n		5 1/2"	17	L80	LTC	1	96	8,690'	8,690			8.9			
					<u> </u>		 		 	<u> </u>	 		 			
DIT WE	CHT SE	ED AND H	YORAUI	ICS RE	CORD					L	l	<u> </u>	L			L
BIT	GHI, GPL	Bit Typ		I I	-	1			Total]	T		Avg		Grade	1
No	Size	Manufa	cturer	Serial	Number		lets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
	ļ	<u> </u>									İ					
Bit Re	marks:						Cum. F	ROT, Hrs	PL	Wt	SC	Wt	RO	⊤ Wt	Tor	rque
Pump				T	T	_	L	T			L	I		Slow	Pump Pres	sures
No.	Stroke	X Liner	Output	SPM	GPM	Pre	essure	JV	Pb		4V	Speed	SPM	Pump #1	Pump #2	Pump #3
			gps		ļ					DC	DP	1/4				
2		x 6 x 5.5	3.15 4.37	_	 						1	3/4				
ВНА																
Length:		Descri	ption:													
MUD DA	TA												T	T	T	
	WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pН	Pm	Pf/Mf
PIT			-		 		 	 			-					
		·												T		
	CH	orides	· .	a++	Smpl Temp	F.L. Temp	Shaker	Screens	Н.	ours M	Mud Engine	er	ł		/lud Compa	ny
PIT	Çili	Origes					#1	#2	Desand							
	l					<u> </u>	#3	#4	Desilt	Mud Cl	Daily Cos	Mike Welk	er	·	Anchor umulative C	ost
							#3		Desire	I III GG G/	, Jan., Jan.				\$3,484	
DIRECTI	ONAL SU				10. 5	- 51	ection	T 6	dinates	, , , , , , , , , , , , , , , , , , , 	vs	I DL		CLOS	SURE	
^	ИD		D	An	IGLE	Di	ection	Coor	unates	1	V3					
										L	I					
	TIONS SU ME	MMARY	Time	Boats:			Supply B	oat Name					Status:			
FROM	TO	HOUR	Code	ł			Crew B	oat Name					Status:			
0600	1800	12.0	1	RD Un	ion Rig #	‡7. Beg	jin inspec	ting drillp	ipe. Got	truck out	to move n	nud tanks	<u> </u>		ummary	Cum
		ļ									e schedu	ing	1. Mob/De	ivity	Daily 12	Cum. 54
			<u> </u>	trucks	tor demo	bilizatio	on. Now	schedule	d for Frida	ıy.			2. Cemen		12	7.5
	<u> </u>	<u> </u>		Today	:				,				3. Circulat			16.5
							reserve						4. Direction	nal Work		
	<u> </u>								with dry h	ole flang	e		5. Drilling			
	ļ		ļ					ice man t		S&S in G	reen Rive	r and	6. Drive P 7. Fishing		 	
\vdash		-	 					564-329		July III G			8. OH Log			
										llpipe ins	pection fir	ished	9. Lost Ci	c.		
			<u> </u>					ase yard					10. Drill C			
		-	ļ	Water	tanks ke	ys retu	ned to T	nompson	Springs V	vater Dist	trict.		11. N.U./ 12. P.U./L			0.5 1.5
		 	 	\vdash									13. P.U./L			7.5
	1	1		1									14. R/U; F			4
													15. Rig Re			
													16. Run C			8.5
	ļ	ļ	ļ										17. Servic			ļ
	 	 	1	\vdash									18. Sidetr 19. Stuck		 	
		1	1										20. Surve			
													21. Trips			6.5
<u> </u>	ļ	ļ	ļ	1									22. Tst. B		+	<u> </u>
ļ	-	_	 	 									23. UR/H		 	0.5
	 	 	 	\vdash									25. Wash		1	0.5
													26. Well C			
													27. WOC			
		ļ	 	1									28. Other		1 12	5
Total	Hours	12.0	 										Total		12	112
Rig Do	owntime		Fuel	Jsage			aterial on	Board				Previous			0,405	
Daily Cum.		Daily Cum.	0	01.5	Bbis Bbis	Cemer Barite:				SX SX		Daily Co			,525 2,930	
∡ouiii.	1	ECUIII.		ات. ا ب	1.100%									- Φ£4		



DCI V	ices		any comp			POIL			
Bloc	ck. Lease and Well t	NO.	Contract Rig	DOL	DFC	Date on Lo	ocation	Comp. Date	Report Date
N. Tho	mpson - State MSC	#16-1	Leede Energy #692	1 1	9	10/18/2	004	Oct 18, 2004	Oct 18, 2004
Ţ∨D	<u>Footage</u>	AFE No.	AFE Amount	Auth, TD.		C	ompany F	Representative	
8,642	PBTD		\$350,000		8,700'		N	orm Woods	
	Present Operat	ion	Rig Phone:	97	0-640-99	33 I	oolpusher		
MIR	J Leede Energy Cor	mpletion Rig	Rig Fax:				All	en Cermack	
	N. Tho TVD 8,642	N. Thompson - State MSC	Block, Lease and Well No.	Block, Lease and Well No. Contract Rig N. Thompson - State MSC #16-1 Leede Energy #692 TVD	Block, Lease and Well No. Contract Rig DOL N. Thompson - State MSC #16-1 Leede Energy #692 1 TVD	Block. Lease and Well No. Contract Rig DOL DFC N. Thompson - State MSC #16-1 Leede Energy #692 1 9 TVD Footage AFE No. AFE Amount \$350,000 Auth. TD. 8,642 PBTD \$350,000 8,700' Present Operation Rig Phone: 970-640-99	Block, Lease and Well No. Contract Rig DOL DFC Date on Lot	Block Lease and Well No. Contract Rig DOL DFC Date on Location	Block Lease and Well No. Contract Rig DOL DFC Date on Location Comp. Date

<u> </u>	111. 0											· · · · · · · · · · · · · · · · · · ·				
Wind:	Weather	MMS Yes	Visit No	1.050	NPDES Sample	Date		on Loc.: erator		BOP Test	Date		RKB	RIG ELEV		
Seas:		Incs?	Yes		- Janipio			tractor	 	Next BOP	Test Date		Water Dept	h	15	ft
Sky:			☐ No	Pass?	Yes	No	Se	rvice					RKB-CHF			ft
	RECORD Casing Str		OD	Wt.	Grade	Conn.	lie	. Run	Cottle	Depth	l in-	Ton	MW when		1.0=	
,	Jasing St	<u>.</u>		VVI.	Glade	Conn.	Jis.	. Kuli	MD	TVD	MD	r Top TVD	Run	Pres	LOT EMW	Leakoff?
Conducto	or		16"		LP	W			100'	100'						
Surface Production	on		8 5/8" 5 1/2"	24 17	J55 L80	STC		12 196	505' 8,690'	505' 8,690'			Air 8.9		 	
										5,000						
					ļ. ————									<u> </u>	ļ	
			ļ										 	-	 	
	GHT, SPE	ED AND H		ICS REC	ORD			,								
BIT No	Size	Bit Type Manufa		 Serial I	Number	J	ets	Deoth In	Total Footage	Hrs	wob	Rpm	Avg ROP	Tooth	Grade Bearing	Gage
Bit Re	marks:	<u> </u>					Cum F	ROT. Hrs	PL	Wt	SO	Wt	ROT	Wt	To	rque
<u> </u>							- Cant. 7						1.0			
Pump No.	Stroke	X Liner	Output	SPM	GPM	Pro	ssure	JV	Pb	_	١٧	Speed	SPM	Slow	Pump Pres Pump #2	Sures
140.	Suoke	A FILIE	gps	Or W	0, 10,	"	33410	"	"	DC	DP	1/4	JFW	Fump#1	rump #2	Fump#3
1												1/2				
2 BHA	<u> </u>				Щ			<u> </u>	L		L	3/4	I			<u> </u>
Length:		Descrip	otion:													
MUD DA	TA															
	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	мвт	pН	Pm	Pf/Mf
PIT																
 	L	l	L	L	ш	L	L	l	l	L	<u>I</u>	<u> </u>	L	L	L	I
	<u> </u>				Smpl	F.L.							Γ			
PIT	Chk	orides	Ca	++	Temp	Temp		Screens #2			lud Engine	er	<u> </u>	M	lud Compai	ny
Ë							#1	#4	Desand	Cent.		/like Welk	er		Anchor	
							#3	#4	Desilt	Mud CI	Daily Cost			Cu	mulative C	ost
DIRECTI	ONAL SU	RVEYS					<u> </u>	L	L	L			<u> </u>		\$3,484	
	1D	TVI	D	AN	GLE	Dire	ection	Coord	linates	V	Ś	DL		CLOS	URE	
<u> </u>																
OPERAT	IONS SUI	MMARY		L				<u> </u>								
TI FROM	ME TO	HOUR	Time Code	Boats:				oat Name: oat Name:					Status:			
0600	1400	8.0		Mobilizi	ing Leed	e Enerc		letion Rig	#692 to !c	cation S	DFN.		Status:	Time Su	ımmarv	
<u> </u>							,, <u> </u>				=		Acti		Daily	Cum.
													1. Mob/De		8	74
													2. Cement			7.5
ļ													 Circulate Direction 			16.5
													5. Drilling	iai vvoik		-
													6. Drive Pi	ре		
													7. Fishing			
 	ļ			 									8. OH Log		<u> </u>	
<u> </u>	<u> </u>					-							9. Lost Cir 10. Drill Cr			
	 												11. N.U./ N			0.5
													12. P.U./L.	D. BHA		1.5
													13. P.U./L.	D. Pipe		7.5
ļ	<u> </u>	ļ				 -			· - · · · - · · -				14. R/U; R		<u> </u>	4
	 												15. Rig Re 16. Run C		-	8.5
				 									17. Service		·	0.5
													18. Sidetra			
													19. Stuck I			
						····							20. Survey	<u></u>	ļ	
-	ļ	ļi											21. Trips 22. Tst. B0)De		6.5
												***	23. UR/HC			
													24. W.O.W		<u> </u>	0.5
													25. Wash			
													26. Well C	ontrol		
<u> </u>	ļ												27. WOC			
<u> </u>													28. Other Total		8	5 132
	Hours	8.0		<u> </u>									TOTAL			132
Rig Do	wntime		Fuel U	sage		Bulk Ma Cement	terial on	Board				Previous			9,281	
Deller		Date	•												````	
Daily Cum.		Daily Cum.	80	1.5	Bbls Bbls	Barite:				sx sx		Daily Cos Cum. Co			9,781	

	PPI
	Technology
ĭ	Services

MSC Exploration

m	Tecni Servi	nology ces	•		D	aily	/·Co	mpl	etio	n Re	por	t				
	Bloc	k. Lease ar				- 1	Contract F	Ria	DOL.	<u>DFC</u> 11	Date on 10/18	Location	Comp Oct 18		Repor Oct 20	
MD	N. Thor	npson - Sta <u>Foot</u> a		16-1 <u>AFE</u>	No.		de Energy AFE Amo		Auth. TD.		10/10		Representa		00.20	, 230-7
3,642	8,642	PBT	ď			L	\$350,000			8,700	00		Norm Wood	<u> </u>		
		Present	t Operatio	<u></u>			Rig Phon Rig Fax:	e:	5	05-330-34	UZ	Toolpush	er Allen Cermac	:k		
Current V	Veather	MMS	Visit		NPDES		People	on Loc.:		BOP Test	Date		1	RIG ELEV	ATIONS	
Wind:		Yes	☑ No	LC50	Sample	Date		erator			T 15		RKB			ft
Seas:		Incs?	☐ Yes	Pass?	Yes	□No		rvice		Next BOP	Test Date		Water Dept	n		ft
Sky: ASING F	RECORD			F 8351				11100							-	
	asing Stri	ng	OD	Wt.	Grade	Conn.	Jts.	. Run		Depth		Tool TVD	MW when Run	Pres	LOT	Leakoff
onductor			16"		LP	w			MD 100'	100'	MD	ועט	I Null	Fies	Liviv	Loukon
urface			8 5/8"	24	J55	STC		12	505'	505'			Air			
roduction)		5 1/2"	17	L80	LTC	1	96	8,690'	8,690'	5,512'	5,512'	8.9			
										<u> </u>						
IT. WEK	HT. SPE	ED AND H	YDRAUL	ICS REC	ORD				l			<u> </u>				
BIT	,	Bit Typ	e and					T	Total				Avg ROP	Tooth	Grade Bearing	Gage
No	Size	Manufa	cturer	Serial	Number		ets	Depth In	Footage	Hrs	WOB	Rpm	ROP	1000	Dearing	Gage
										<u> </u>		1		1		
Bit Rer	narks:					,	Cum. F	ROT. Hrs	PL	J Wt	sc	Wt	RO	T Wt	l or	que
ump						T		1				<u></u>	0014	Slow	Pump Pres	sures
No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure	JV	Pb	DC	AV T DP	Speed 1/4	SPM	rump #1	ump #2	, rump#
1			gps			 						1/2				
2												3/4				<u> </u>
BHA Length:	124 70	Descri	ntion:	bit ec	aper, 4	3.5" □€										
Length:	131.76	Descri	puon.	Dit, SCI	apoi, 4	0.0 00										
MUD DA		1 1/10	T 50/	YP	GELS	WL	нтнр	CAKE	SLDS %	LGS %	OIL %	SD %	МВТ	pН	Pm	Pf/Mf
PIT	WT. resh Wat	VIS	PV	117	GELS		1	CARL	1 0200 /	1 200 /8	1		1			
	10311 1701	Ĭ									Ī			1	<u> </u>	<u> </u>
					Smpl	F.L.	т		т				1	Τ		
	Chi	orides	Ca	9++	Temp	Temp		r Screens		كبك البنانية	Mud Engin	eer	<u></u>		/lud Compa	ny
PIT							#1	#2	Desand	Cent.	┥ .	Mike Well	ker		Anchor	
			.l				#3	#4	Desilt	Mud Cl	Daily Cos			C	umulative C	Cost
DIRECTION	A	DVEVO								I.,			ــــــــــــــــــــــــــــــــــــــ		\$3,484	
	D	TV	/D	_ AN	GLE	Dir	ection	Coor	dinates	1	vs	DL	Ţ.	CLOS	SURE	
										ļ	 	-				
OPERAT	IONS SU	MMARY							<u> </u>							
TI	ME		Time	Boats:				Boat Name					Status: Status:		***	
FROM 0600	0700	HOUR	Code	WO 6			Crew E	Boat Name	<u>: </u>				Status.	Time S	ummary	
0700	0730	0.5	28	WO C		ed 500	bbl frac t	ank.					Ac	tivity	Daily	Cum.
0730	0830	1.0	12	PU BH	A. bit, s	craper,	4 3.5" D	c					1. Mob/D			74
0830	1100	2.5	13	Spot tr	uck, Tal	ly tubing	J. PU 2 7	7/8" pipe.	TIH with 8	37 jts.to 2	876'		2. Cemer		1.55	7.5
1100	1315 1630	2.3	28					to DV @				HA	Circula Direction	ite onal Work	1.25	17.75
1315 1630	1730	1.0	13					hole clea		, W 109)	.s wy + D	1.05	5. Drilling			
1730	1800	0.5	5	Drilling	cemen	t stringe	rs from 5	5465' to 5	496' in 30	mins.(31	')		6. Drive F	Pipe		
1800	1830	0.5	5	Drilled	from 54	96' hard	d cement	t w/ 6 pts	wt. (1 ft/10	0mins). B	it sticking		7. Fishing		 	
4000	4045		<u> </u>				ed total 1	14 ft in 30	mins.				8. OH Lo 9. Lost C		+	+
1830 1845	1845 1900	0.3	28		ated hole		al Inetall	ed TIW va	alve Shut	well in				omt./LOT	1	+
1040	1300	0.3	1 20	SDFN		OI SWIVE	matal)	1144 AS	arro. Gride	111.			11. N.U./			0.5
														L.D. BHA	1	2.5
														L.D. Pipe	5.75	13.25
	ļ		ļ	.						 -			14. R/U;		 	10
	 	 			o heavy			railer drop	ned at lo	cation			15. Rig R		 	8.5
	 	 	1	Codia	not unio	au all 0	, pipe. 11	and drop	יים מו וטו				17. Servi			
													18. Sidet	rack Op.		
												-	19. Stuck		 	
	ļ	_	1	<u> </u>									20. Surve			6.5
	 	 	+	1									21. Trips 22. Tst. 8		+	1 0.5
	 	1		+-				· · · · · · · · · · · · · · · · · · ·					23. UR/H			
													24. W.O.			0.5
														n & Ream		-
	ļ <u>.</u>	<u> </u>	ļ	ļ									26. Well	Control		

Price Bly discussion 1



	Ser	nnolog vices	y			Dail	y Co	omp	letio	n R	epor	t				
		ock, Lease nompson - S				Lee	Contract ede Energ		DOL 1	DFC 10		Location 8/2004		Date 3, 2004		ort Date
MD	TVD	Foc	otage		E No.		AFE Amo	ount	Auth. TD.		1		ny Represent		Oct	9, 2004
8,642	8,642		STD ent Opera	tion		<u> </u>	\$350,00 Rig Phor		<u> </u>	8,700	400	T1	Norm Wood	ls		
		Prep to GIF					Rig Fax:			505-330-34	402	Toolpus	<u>ner</u> Allen Cerma	ck		
Curren	t Weather	mMS	S Visit	1	NPDES		People	on Loc.:	T	BOP Tes	t Date			RIG ELE	VATIONS	
Wind:		☐ Yes	☑ N		0 Sample	Date	<u> </u>	erator					RKB		15	ft
Seas:		Incs?	☐ Ye	s Pass?	Yes	No		tractor ervice		Next BO	P Test Dat	e	Water Dep	th		ft
	RECOR		· · · · · · · · · · · · · · · · · · ·										Taxe Ora			
	Casing S	tring	OD	Wt.	Grade	Conn.	Jts	. Run	Setting MD	g Depth	MD	Tool	MW when Run	Pres	LOT EMW	Leakoff?
Conduc	tor		16"		LP	W			100'	100'		1	Tan	1108	Liviv	Leakon
Surface Product	ion		8 5/8" 5 1/2"	17	J55 L80	STC		12 196	505' 8,690'	505' 8,690'	5,512	5,512'	Air 8.9	<u> </u>		ļ
			-		ļ											
											+ `-	<u> </u>		 		
BIT, WE	IGHT, SF	EED AND	HYDRAU	LICS RE	CORD	1										
BIT	Cina		pe and acturer	0					Total		ĺ		Avg		Grade	
No	Size	Manui	acturer	Senai	Number	1	lets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
Rit R	emarks:						Cum 6	POT Hen	B	1184	- 00					
	Ciliarks.						Cum. F	ROT. Hrs	PU	Wt	SC	Wt	RO	T Wt	To	rque
Pump No.	Strok	e X Liner	Output	SPM	GPM	Pre	ssure	٦V	Pb		AV	Speed	SPM		Pump Pres	sures Pump #3
			gps		<u> </u>					DC	DP	1/4	J. 141	, amp#1	1 ump #2	, unip #3
1 2	 		 	-		-						1/2 3/4	-			
ВНА			7		·	<u> </u>		<u> </u>			.l	J. 3/7	<u> </u>	<u> </u>	<u> </u>	
Length:		Descr	iption:											-		
MUD DA	WT.	VIS	PV	YP	GELS	WL	НТНР	CAKE	SLDS %	LGS %	1 OII 8	65.9	LADT			54944
PIT		V.0			OLLO	VVL	THE	CARE	3LU3 %	LGS %	OIL %	SD %	MBT	pН	Pm	Pf/Mf
	ļ .	1	<u>.L</u>	ļ	l											
					Smpl	F.L.		_	<u> </u>			•		ł		
PIT	Ch	lorides	l Ca	a++	Temp	Temp	Shaker #1	Screens #2	Ho Desand		/lud Engine	er		М	ud Compa	ny
												/like Welk	er		Anchor	
							#3	#4	Desilt	Mud CI	Daily Cos	! 		Cu	mulative C	ost
ننصصن	IONAL SU	JRVEYS TV	/D	I AN	GLE	Dire	ection	Coor	dinates		/\$	DL		01.00		
			**********					500				DL.		clos	URE	
OPERAT	TIONS SU	MMARY		l		1		L.,	نــــا	-	1		<u> </u>			
TI FROM	ME TO	HOUR	Time Code	Boats:				oat Name: oat Name:					Status:			
0600	0700	1.0	28	WO cre	w		CIEW DO	Jai Name.					Status:	Time Su	mman/	
0700	0730	0.5	14				ation with						Activ		Daily	Cum.
0730	0930	2.0	14	R&W R	entals d	elivered	BOPE, s	stripping I	nead, spoo	ol, 4" DC	with hand	ling	1. Mob/Del			74
0930	1130	2.0	14		head de	livered t	y Came	ron well h	nead.				 Cement Circulate 			7.5 16.5
				Crew in	stalled T	ubing h	ead, BOI	P, strippir	ng head. L	ayed dow	vn floor		4. Direction			10.5
1130	1230	1.0	14					o 3000 ps			- 5014	404 75	5. Drilling			
1230	1300	0.5	14	Unloade	ed frac ta	ank and	pump. L	.g scrape .ayed 2" !	r, and cha ine to well	nge overs	s. BHA=	131.72	6. Drive Pip 7. Fishing	oe		
	<u> </u>				<u>)</u> 1300 l								8. OH Logg	jing		
				<u> </u>						····			9. Lost Circ).		
													10. Drill Cm 11. N.U./ N			0.5
-							-						12. P.U./L.[1.5
		ļ			·								13. P.U./L.0			7.5
													14. R/U; R/ 15. Rig Rep		6	10
													16. Run Ca			8.5
			 										17. Service	Rig		
													18. Sidetrac			
													20. Survey	ihe		
			ļ										21. Trips			6.5
													22. Tst. BO 23. UR/HO	Ps		
													23. UR/HO 24. W.O.W.	 		0.5
			 										25. Wash &			5.0
													26. Well Co	ntrol		
													27. WOC 28. Other		1	6
Total	lours	7.0											Total		7	139
Rig Dov	vntime		Fuel Us			Bulk Mate	rial on Bo	oard			Ti	revious (Cost	\$259,7	781	
Daily Dum.		Daily	904			Cement:			s	x		Daily Cost		\$259,7 \$10.6		

RECEIVED

PPI Technology Services

		k, Lease and Well (npson - State MSC		Contract Rig Leede Energy #692	DOL 4	<u>DFC</u> 13	Date on Location 10/18/2004	Comp. Date Oct 18, 2004	Report Date Oct 22, 2004
MD 8,642	TVD 8,642	Footage PBTD	AFE No.	AFE Amount \$350,000	Auth. TD.	8,700'	Compan	y Representative Norm Woods	
, ,	 	Present Operat		Rig Phone: Rig Fax:	5	05-330-340	1	<u>ner</u> Allen Cermack	

			Operation o line splic				Rig Phoni Rig Fax:	J.	J.	70-000-0-10		A	den Cermac	k		
		10101	C-14		NPDES		People	on Loc : I	11	BOP Test	Date			RIG ELEV	ATIONS	
Current W Wind:	eather	MMS \	/ISIT	-	Sample I)ate		rator	2		0/18/2004		RKB			ft
Seas:		Incs?	Yes	<u> </u>	COMIDIO	20.00		ractor	6	Next BOP	Test Date		Water Depth)		ft
Sky:			☐ No I	Pass?	Yes	□No	Ser	vice	3				RKB-CHF			ft
ASING R					<u> </u>	A T	la.	Run	Setting	Donth	DV.	Tool	MW when		LOT	
Ca	sing Stri	ng	OD	Wt.	Grade	Conn.	Jis.	Ruii	MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
onductor			16"		LP	W			100'	100'						
urface			8 5/8"	24	J55	STC		12	505'	505' 8,690'	5,512'	5,512'	Air 8.9			
roduction			5 1/2"	17	L80	LTC	1	96	8,690'	0,090	3,312	3,512	0.5	-		
10-11-																
										ļ			<u> </u>			
IT WEIG	UT ODE	ED AND H	YDRAUL	ICS REC	CORD				L		<u> </u>	<u></u>				
BIT I	пт, эгс	Bit Typ	e and	,00 114					Total				Avg	Table	Grade	Gage
No	Size	Manufa		Serial	Number	J	ets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
										 			İ			
Bit Rem	narks:	L				L	Cum. F	ROT. Hrs	PL	Wt	SC) Wt	RO	r Wt	To	rque
										,			<u> </u>	Slow	Pump Pres	ssures
ump	Canala	X Liner	Output	SPM	GPM	Pre	ssure	JV	Pb	, A	W	Speed	SPM		Pump #2	
No.	Strokt	A CILIBI	gps	J				ļ	<u> </u>	DC	DP	1/4				
1	,,,,,,,,			L.								1/2			<u> </u>	ļ
2								<u> </u>	L	<u> </u>	<u></u>	3/4		L	L	<u> </u>
HA			-41													
ength:	131.78	Descri	puon.	l												
															<u> </u>	
AUD DAT								T 64:	01.00.0	1.00 %	OIL %	SD %	мвт	рН	Pm	Pf/Mf
	WT.	VIS	PV	YP	GELS	WL.	HTHP	CAKE	SLDS %	LGS %	UIL %	30 %	IVID I	 	1	
'IT			-	 	 		 	1								L
1		L	<u>.l</u>													
					Smpl	F.L. Temp	Shake	r Screens		ours I	Mud Engin	eer			Mud Compa	any
317	Ch	lorides	Ca	a++	Temp	Temp	#1	#2	Desand							
PIT			 		 	†						Mike Wel	ker	 	Anchor	Cost
			<u></u>				#3	#4	Desilt	Mud Cl	Daily Co	st		 	umulative (\$7,031	JOSE
	A	18175176					<u> </u>		<u> </u>	<u> </u>	ــــــــــــــــــــــــــــــــــــــ		1	1		
DIRECTION		URVEYS	VD	I AI	NGLE	Di	rection	Coo	rdinates	T	vs	DL		CLO	SURE	
													- 			
									1		<u> </u>					
	ME	JMMARY	Time	Boats:			Supply	Boat Name):				Status:			
FROM	TO	HOUR	Code				Crew	Boat Name):				Status:	Time S	Summary	
0600	0730		28	WO C	rews			k clothes					- Ac	ctivity	Daily	Cum.
0730	0830		15	vvait	on pusne	r for an	/ seating	nipple to	8685' - 2	75 jts and	8' of 276	th it	1. Mob/D			74
0830 1130	1130 1230		21	Rig III	n lines au	nd displ	aced w/	180 bbls 6	% KCL +	iron ager	ıt		2. Cemer	nt		7.5
1230	1300		21	Pulled	1 11 its o	f tubina	and sto	od back 2	stds - 48	2'			Circula	ate	1	19.25
1300	1530		15	Rigge	d up to s	wab we	ell. Did r	not have p	arts. Orde	ered parts	from yar	d	4. Directi	onal Work	_	_
				Parts	arrived (@ 1530	hrs						5. Drilling			-
1530	1800	2.5	28	Made	10 swal	runs. I	Recovere	ed 75 bbls					6. Drive I		+	+
									licer on lo	cation tor	norrow.		7. Fishing		+-	+
			1	_	600 hrs		or splice	<u>r</u>					8. OH Lo 9. Lost C		+	+
	ļ		-	SDFN	0 1800	hrs								Cmt./LOT	+	1
	 	+		 									11. N.U./		1	0.5
	1	-	+	Madi	um rain s	ll morn	ina. Liah	t rain duri	ng all afte	rnoon				L.D. BHA		3
	1		+	_	n William				<u> </u>					L.D. Pipe		13.25
	 	+	 	1									14. R/U;			10
	1	1		\mathbf{I}^{-}									15. Rig F		3.5	3.5
	L												16. Run		+	8.5
													17. Serv	ice Rig track Op.	_	+ -
	<u> </u>		↓	1-									18. Side		+	-
	 	-		-									20. Surv		 	1
ļ —	-		-							-			21. Trips		3.5	15.7
	+	\dashv	-	-}									22. Tst.			
<u> </u>	+	+	+-	+									23. UR/I			
	+	+		+-									24. W.O			0.5
	+		1											h & Ream		
	+	+	1											Control		
	1												27. WO		+	1
													28. Othe		4	19.
	<u> </u>												Total		12	175.
	I Hours	12.0		Usage		P. III	Material (on Board				Previo	ous Cost	\$2	294,061	
Rig D	owntime	Daily	ruel	usage	Bbls	Cem		., Dodia		sx		Daily	Cost		7,465	
Cum.	+	Cum.		801.5	Bbls	Barit				sx		Cum.	Cost	\$3	301,526	
													· / _			



	Ser	nnotog vices				Jun	<u>, </u>	٠٢	letic	111 17	cpo.	L.				
i i		lock, Lease nompson - S				Le	Contract ede Energ		DOL 3	DFC 12		n Location 8/2004	- 1	p. Date 8, 2004		port Date 21, 2004
MD 8.642	TVD	Foc	tage		E No.	†	AFE Am	ount	Auth, TD	<u> </u>	10/		ny Represen	tative	1 001	21, 2004
6,642	8,642		TD ent Opera	ıtion_		<u></u>	\$350,00 Rig Pho		L	8,700° 505-330-3	402	Toolpus	Norm Woo	ds		
		Mixing o	completio	n fluid	-		Rig Fax					700.00	Allen Cerma	ack		
	t Weathe		S Visit	I	NPDES			on Loc.;		BOP Tes	st Date			RIG ELE	VATIONS	;
Wind: Seas:		Incs?	☐ N) Sample	Date		erator ntractor		Next BO	P Test Dat	<u> </u>	RKB Water Dep	. th	15	ft
Sky:				o Pass?	Yes	□No	+	ervice		HOALOG	1 1031 Dat		RKB-CHF)W1		ft
CASING	Casing S		OD	Wt.	Grade	Conn.	Jts	. Run	Settin	g Depth	T by	Tool	MW when	7	LOT	
Conduc	tor		16"	-	LP	l w	<u> </u>		MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff
Surface			8 5/8"	24	J55	STC		12	100' 505'	100' 505'			Air	-	 	-
Product	ion		5 1/2"	17	L80	LTC		196	8,690'	8,690'	5,512'	5,512	8.9			
			1			<u> </u>					_					
- 10 In 10 In In In In In In In In In In In In In																
BIT, WE	IGHT, SF	Bit Typ		LICS REC	CORD	1		1	Total		1	1	Avg	1	Grade	
No	Size	Manufa	acturer	Serial I	Number		lets	Depth in	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
	<u> </u>	<u> </u>		<u> </u>						<u> </u>	<u> </u>				<u> </u>	
Bit R	emarks:	_	-				Cum. F	ROT. Hrs	PL	J Wt	sc	Wt	RO	T Wt	Т	orque
Pump No.	Strol	e X Liner	Output	SPM	GРM	Dro	ssure	JV	Dh		۸۱/	S	0011		Pump Pro	
	540	LAIGI	gps	J. 191	JC IVI	-18	.oouit	JV	Pb	DC	AV DP	Speed 1/4	SPM	Pump #1	Pump #	2 Pump #3
12												1/2				
ВНА	- 22:					<u> </u>				l	<u> </u>	3/4	<u> </u>	<u> </u>	L	
Length:	131.78	Descri	ption:	I .												
MUD DA	TÁ															
	WT.	VIS	PV	YP	GELS	WL	НТНР	CAKE	SLDS %	LGS %	OIL %	SD %	мвт	рН	Pm	Pf/Mf
PIT											<u> </u>	05 /	TO TO	pri	FIII	PI/IVII
	<u> </u>	<u> </u>	<u> </u>	<u> </u>		L					L	<u> </u>	<u> </u>			
	Ch	lorides	Ca	3++	Smpl Temp	F.L. Temp	Shaker	Screens	Но	uro A	And Casha					***************************************
PIT							#1	#2	Desand	_	lud Engine	er		M	ud Compa	any
	L		<u> </u>				#3	#4	Desilt	Mud Cl	N Daily Cost	like Welk	er		Anchor mulative (Soot .
DIRECTI	ONAL SI	RVEVS									\$3,547				\$7,031	J031
	4D	TV	D	ANG	SLE	Dire	ction	Coord	inatas							
	·	L					CUOTI	-	iiiales	V	'S	۵		CLOS	URE	
		L					CUCH		inates	V	s	DL		CLOS	URE	*
	IONS SU	MMARY	Time	Boate:					ilates	V	S	DL		CLOS	URE	
FROM	ME TO	HOUR	Time Code	Boats:			Supply Bo	pat Name:	11005	V	'S	DL	Status: Status:	CLOS	URE	
0600 0730	ME	HOUR	Code 28	WO crev			Supply Bo Crew Bo	pat Name: pat Name:		V	'S	DL	Status:	Time Su	mmary	
0600	ME TO 0730	HOUR	28 28	WO crev Crew on	location	n, start r	Supply Bo Crew Bo	pat Name: pat Name:	vivel			DL	Status: Acti	Time Su		Cum.
0600 0730 0745	ME TO 0730 0745 0845	HOUR 1.5 0.3 1.0	28 28 5	WO crev Crew on Drill cem drilled 22	location ent, 6 p 2' in 1 hr	n, start r ts on bit	Supply Bo Crew Bo rig, rig up t, drilling d through	pat Name: pat Name: power sw slow. Dri	vivel Il rubber, hole			DL	Status:	Time Su	mmary	Cum. 74 7.5
0600 0730	ME TO 0730 0745	HOUR 1.5 0.3	28 28 5 5	WO crev Crew on Drill cem drilled 22 Make co	location ent, 6 p 2' in 1 hr nnection	n, start r ts on bit . Drilled	Supply Bo Crew Bo rig, rig up t, drilling d through	pat Name: pat Name: power sv slow. Dri	vivel Il rubber, hole			DL	Activs: Activs: 1. Mob/Del 2. Cement 3. Circulate	Time Su vity Mob	mmary	74
0600 0730 0745 0845	ME TO 0730 0745 0845 0900	HOUR 1.5 0.3 1.0	28 28 5 5 28 21	WO crev Crew on Drill cem drilled 22 Make co Layed do PU 2 7/8	location nent, 6 p 2' in 1 hr nnection own pow " tubing	n, start r ts on bit Drilled n. Rotate	Supply Bo Crew Bo ig, rig up t, drilling d through ed down el	pat Name: pat Name: power sw slow. Dri	vivel Il rubber, hole ement	rubbers s	pinning	DL	Status: Acti 1. Mob/Del 2. Cement	Time Su vity Mob	mmary Daily	74 7.5
0600 0730 0745 0845 0900	ME TO 0730 0745 0845 0900 0915	HOUR 1.5 0.3 1.0 0.3 0.3 2.8	Code 28 28 5 5 28 21	WO crew Crew on Drill cem drilled 22 Make co Layed do PU 2 7/8 271 jts -	location nent, 6 p 2' in 1 hr nnection own pow " tubing 8682'.	n, start r ts on bit Drilled n. Rotate	Supply Bo Crew Bo ig, rig up t, drilling d through ed down el	pat Name: pat Name: power sw slow. Dri n DV. Circ 30' No co	vivel Il rubber, hole ement	rubbers s	pinning	DL	Activation Activation Activation Activation 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pig	Time Su vity Mob e aal Work	mmary Daily	74 7.5
0600 0730 0745 0845 0900 0915 1200	ME TO 0730 0745 0845 0900 0915 1200 1230 1530	HOUR 1.5 0.3 1.0 0.3 0.3 2.8 0.5 3.0	Code 28 28 5 5 28 21 3 21	WO crew Crew on Drill cem drilled 22 Make co Layed do PU 2 7/8 271 jts - Circulate TOOH	location lent, 6 p 2' in 1 hr nnection own pow " tubing 8682'.	n, start r ts on bit . Drilled n. Rotatover swiv . Rabbit	Supply Bo Crew Bo ig, rig up t, drilling d through ed down el ting and t	paat Name: pat Name: power sv slow. Drin DV. Circo 30' No co	vivel Il rubber, hole ement hole. TIH	rubbers s	pinning n.		Activation Activation Activation Activation 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing	Time Su vity Mob e aal Work	mmary Daily	74 7.5
0600 0730 0745 0845 0900 0915	ME TO 0730 0745 0845 0900 0915 1200	HOUR 1.5 0.3 1.0 0.3 0.3 2.8	28 28 5 28 21 3 21 12	WO crew Crew on Drill cem drilled 22 Make co Layed do PU 2 7/8 271 jts - Circulate TOOH Layed do	location nent, 6 p 2' in 1 hr nnection own pow " tubing 8682'. ad hole	n, start r ts on bit . Drilled n. Rotate ver swiv . Rabbit	Supply Bo Crew Bo ig, rig up t, drilling d through ed down el ting and t	pat Name: pat Name: power sw slow. Dri n DV. Circ 30' No co	vivel Il rubber, hole ement hole. TIH	rubbers s	pinning n.		Activation Activation	Time Su vity Mob all Work pe	mmary Daily	74 7.5
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0600 0730 0745 0845 0900 0915 1200 1230 1530	0730 0745 0845 0900 0915 1200 1230 1530 1600	HOUR 1.5 0.3 1.0 0.3 0.3 2.8 0.5 3.0 0.5	Code 28 28 5 5 28 21 3 21 12 28	WO crew Crew on Drill cem drilled 22 Make co Layed do PU 2 7/8 271 jts - Circulate TOOH Layed do MSC 2-1 RU Exce Mixed 31	location lent, 6 p 2' in 1 hr nnection own pow " tubing 8682'. Ind hole location Il for CB 0 bbls o	n, start r ts on bit . Driller n. Rotate ver swiv . Rabbit 5" DCs	Supply Bo Crew Bo ig, rig up t, drilling d through ed down el ting and to on trailer	paat Name: pat Name: power sv slow. Drin DV. Circo 30' No co	vivel Il rubber, hole ement hole. TII- overs, sc	rubbers s I to bottor raper & b	pinning n.		Activation Activation	Time Su vity Mob ellial Work pe	mmary Daily	74 7.5
0600 0730 0745 0845 0900 0915 1200 1230 1530	0730 0745 0845 0900 0915 1200 1230 1530 1600	HOUR 1.5 0.3 1.0 0.3 0.3 2.8 0.5 3.0 0.5	Code 28 28 5 5 28 21 3 21 12 28	WO crew Crew on Drill cem drilled 22 Make co Layed do PU 2 7/8 271 jts - Circulate TOOH Layed do MSC 2-1 RU Exce	location lent, 6 p 2' in 1 hr nnection own pow " tubing 8682'. Ind hole location Il for CB 0 bbls o	n, start r ts on bit . Driller n. Rotate ver swiv . Rabbit 5" DCs	Supply Bo Crew Bo ig, rig up t, drilling d through ed down el ting and to on trailer	pat Name: pat Name: power sw slow. Dri n DV. Circo 30' No co tallying in	vivel Il rubber, hole ement hole. TII- overs, sc	rubbers s I to bottor raper & b	pinning n.	nt	Activation Activation Activation Activation Comment Comment Comment Activation Comment Activation Comment Comment Activation Comment	Time Su vity Mob elal Work pe iing ii. it./LOT D. D. BHA	mmary Daily	74 7.5 18.25 0.5 3 13.25
0600 0730 0745 0845 0900 0915 1200 1230 1530	0730 0745 0845 0900 0915 1200 1230 1530 1600	HOUR 1.5 0.3 1.0 0.3 0.3 2.8 0.5 3.0 0.5	28 28 5 28 21 3 21 12 28	WO crew Crew on Drill cem drilled 22 Make co Layed do PU 2 7/8 271 jts - Circulate TOOH Layed do MSC 2-1 RU Exce Mixed 31	location lent, 6 p 2' in 1 hr nnection own pow " tubing 8682'. Ind hole location Il for CB 0 bbls o	n, start r ts on bit . Driller n. Rotate ver swiv . Rabbit 5" DCs	Supply Bo Crew Bo ig, rig up t, drilling d through ed down el ting and to on trailer	pat Name: pat Name: power sw slow. Dri n DV. Circo 30' No co tallying in	vivel Il rubber, hole ement hole. TII- overs, sc	rubbers s I to bottor raper & b	pinning n.	nt	Activation Activation Activation Activation Activation 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circulation Activation ime Su vity Mob elling it./LOT D. D. BHA D. Pipe D.	mmary Daily	74 7.5 18.25	
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0600 0730 0745 0845 0900 0915 1200 1230 1530	0730 0745 0845 0900 0915 1200 1230 1530 1600	HOUR 1.5 0.3 1.0 0.3 0.3 2.8 0.5 3.0 0.5	Code 28 28 5 5 28 21 3 21 12 28	WO crev Crew on Drill cem drilled 22 Make co Layed do PU 2 7/8 271 jts - Circulate TOOH Layed do MSC 2-1 RU Exce Mixed 31 for 6% KG	location lent, 6 p 2' in 1 hr nnection own pow " tubing 8682'. Id hole own4 3.5 location Il for CB 0 bbls o CL wate	n, start r ts on bif . Drilled n. Rotate ver swiv . Rabbit 5" DCs n . L. Ran of water	Supply Bo Crew Bo ig, rig up t, drilling d through ed down el ling and to on trailer CBL from w/ 48 ga	pat Name: pat Name: power sw slow. Dri n DV. Circo 30' No co tallying in	vivel Il rubber, hole ement hole. TII- overs, sc 350' uid, 5 gal	rubbers s I to bottor raper & b	pinning n.	nt	Activation Activation Activation Activation Comment Comment Comment Activation Comment Comment Activation Comment Comment Activation Comment	Time Su vity Mob elal Work De ing ing i. i.t./LOT D. D. BHA D. Pipe Deair sing Rig	mmary Daily	74 7.5 18.25 0.5 3 13.25
0600 0730 0745 0845 0900 0915 1200 1230 1530	0730 0745 0845 0900 0915 1200 1230 1530 1600	HOUR 1.5 0.3 1.0 0.3 0.3 2.8 0.5 3.0 0.5	Code 28 28 5 5 28 21 3 21 12 28	WO crev Crew on Drill cem drilled 22 Make co Layed do PU 2 7/8 271 jts - Circulate TOOH Layed do MSC 2-1 RU Exce Mixed 31 for 6% KG	location lent, 6 p 2' in 1 hr nnection own pow " tubing 8682'. Id hole own4 3.5 location Il for CB 0 bbls o CL wate	n, start r ts on bif . Drilled n. Rotate ver swiv . Rabbit 5" DCs n . L. Ran of water	Supply Bo Crew Bo ig, rig up t, drilling d through ed down el ling and to on trailer CBL from w/ 48 ga	pat Name: pat Name: power sw slow. Dri n DV. Circ 30' No co tallying in r. Change	vivel Il rubber, hole ement hole. TII- overs, sc 350' uid, 5 gal	rubbers s I to bottor raper & b	pinning n.	nt	Activation Activation Activation Activation Activation 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circulation Activation ime Su vity Mob elal Work De ing S. D. BHA D. Pipe D Dair sing Rig ck Op.	mmary Daily	74 7.5 18.25 0.5 3 13.25	
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0600 0730 0745 0845 0900 0915 1200 1230	0730 0745 0845 0900 0915 1200 1230 1530 1600	HOUR 1.5 0.3 1.0 0.3 0.3 2.8 0.5 3.0 0.5	Code 28 28 5 5 28 21 3 21 12 28	WO crev Crew on Drill cem drilled 22 Make co Layed do PU 2 7/8 271 jts - Circulate TOOH Layed do MSC 2-1 RU Exce Mixed 31 for 6% KG	location lent, 6 p 2' in 1 hr nnection own pow " tubing 8682'. Id hole own4 3.5 location Il for CB 0 bbls o CL wate	n, start r ts on bif . Drilled n. Rotate ver swiv . Rabbit 5" DCs n . L. Ran of water	Supply Bo Crew Bo ig, rig up t, drilling d through ed down el ling and to on trailer	pat Name: pat Name: power sw slow. Dri n DV. Circ 30' No co tallying in r. Change	vivel Il rubber, hole ement hole. TII- overs, sc 350' uid, 5 gal	rubbers s I to bottor raper & b	pinning n.	nt	Activation Activation Activation Activation Activation Comment Comment Activation Comment Activation Comment Activation Comment Activation Comment Comment Activation Comment Comment Activation Comment Activation Comment Activation Comment Activation Comment Activation Comment Activation Comment Activation Comment Activation Comment Activation Comment Activation Comment Activation Comment Activation Comment Activation Comment Activation Comment Activation Comment Activation Comment Activation Activatio	Time Su vity Mob elal Work pe ing ing int./LOT D. D. BHA D. Pipe Deair sing Rig ck Op. ipe	mmary Daily 0.5	74 7.5 18.25 0.5 3 13.25 10 8.5
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0600 0730 0745 0845 0900 0915 1200 1230	0730 0745 0845 0900 0915 1200 1230 1530 1600	HOUR 1.5 0.3 1.0 0.3 0.3 2.8 0.5 3.0 0.5	Code 28 28 5 5 28 21 3 21 12 28	WO crev Crew on Drill cem drilled 22 Make co Layed do PU 2 7/8 271 jts - Circulate TOOH Layed do MSC 2-1 RU Exce Mixed 31 for 6% KG	location lent, 6 p 2' in 1 hr nnection own pow " tubing 8682'. Id hole own4 3.5 location Il for CB 0 bbls o CL wate	n, start r ts on bif . Drilled n. Rotate ver swiv . Rabbit 5" DCs n . L. Ran of water	Supply Bo Crew Bo ig, rig up t, drilling d through ed down el ling and to on trailer	pat Name: pat Name: power sw slow. Dri n DV. Circ 30' No co tallying in r. Change	vivel Il rubber, hole ement hole. TII- overs, sc 350' uid, 5 gal	rubbers s I to bottor raper & b	pinning n.	nt	Activation Activation Activation Activation Activation Comment Comment Activation Comment Activation Comment Activation Comment Activation Comment Com	Time Su vity Mob elal Work pe ging th./LOT D. BHA D. Pipe Deair sing Rig ck Op. ipe	mmary Daily 0.5	74 7.5 18.25 18.25 0.5 3 13.25 10 8.5
0600 0730 0745 0845 0900 0915 1200 1230	0730 0745 0845 0900 0915 1200 1230 1530 1600	HOUR 1.5 0.3 1.0 0.3 0.3 2.8 0.5 3.0 0.5	Code 28 28 5 5 28 21 3 21 12 28	WO crev Crew on Drill cem drilled 22 Make co Layed do PU 2 7/8 271 jts - Circulate TOOH Layed do MSC 2-1 RU Exce Mixed 31 for 6% KG	location lent, 6 p 2' in 1 hr nnection own pow " tubing 8682'. Id hole own4 3.5 location Il for CB 0 bbls o CL wate	n, start r ts on bif . Drilled n. Rotate ver swiv . Rabbit 5" DCs n . L. Ran of water	Supply Bo Crew Bo ig, rig up t, drilling d through ed down el ling and to on trailer	pat Name: pat Name: power sw slow. Dri n DV. Circ 30' No co tallying in r. Change	vivel Il rubber, hole ement hole. TII- overs, sc 350' uid, 5 gal	rubbers s I to bottor raper & b	pinning n.	nt	Activation Activation Activation Activation Activation Comment Comment Comment Activation Comment Com	Time Su vity Mob elal Work pe ging th./LOT D. BHA D. Pipe Deair sing Rig ck Op. ipe	mmary Daily 0.5	74 7.5 18.25 18.25 0.5 3 13.25 10 8.5
0600 0730 0745 0845 0900 0915 1200 1230 1530 	ME TO 0730 0745 0845 0900 1200 1230 1530 1600 1930	HOUR 1.5 0.3 1.0 0.3 0.3 2.8 0.5 3.0 0.5	Code 28 28 5 5 28 21 3 21 12 28	WO crev Crew on Drill cem drilled 22 Make co Layed do PU 2 7/8 271 jts - Circulate TOOH Layed do MSC 2-1 RU Exce Mixed 31 for 6% KG	location lent, 6 p 2' in 1 hr nnection own pow " tubing 8682'. Id hole own4 3.5 location Il for CB 0 bbls o CL wate	n, start r ts on bif . Drilled n. Rotate ver swiv . Rabbit 5" DCs n . L. Ran of water	Supply Bo Crew Bo ig, rig up t, drilling d through ed down el ling and to on trailer	pat Name: pat Name: power sw slow. Dri n DV. Circ 30' No co tallying in r. Change	vivel Il rubber, hole ement hole. TII- overs, sc 350' uid, 5 gal	rubbers s I to bottor raper & b	pinning n.	nt	Activation Activation Activation Activation Activation Comment Comment Comment Activation Comment Com	Time Su vity Mob elal Work pe ging th./LOT D. BHA D. Pipe Deair sing Rig ck Op. ipe	0.5 0.5 5.75	74 7.5 18.25 18.25 0.5 3 13.25 10 8.5
0600 0730 0745 0845 0900 0915 1200 1230 1530	ME TO 0730 0745 0845 0900 1230 1530 1600 1930 000rs	HOUR 1.5 0.3 1.0 0.3 0.3 2.8 0.5 3.0 0.5	28 28 5 5 28 21 12 28 28 3 21 12 3 3 21 12 3 3 3 3 3 3 3 3 3 3 3	WO crev Crew on Drill cem drilled 22 Make co Layed dc PU 2 7/8 271 jts - Circulate TOOH Layed dc MSC 2-1 RU Exce Mixed 31 for 6% Kf SDFN Bond is g	location lent, 6 p 2' in 1 hr nnection own pow " tubing 8682'. In d hole location II for CB 0 bbls o CL water location lend over location II for CB 0 bbls o CL water location lend over location II for CB 0 bbls o CL water location lend over location lend over location lend over location lend over location lend over location lend over location lend over location lend over location lend over location lend over location lend over location lend over location lend over location lend over location lend over location lend over lend over location lend over l	n, start r ts on bit Drilled Rotate ver swiv Rabbit L. Ran of water r	Supply Bo Crew Bo ig, rig up t, drilling d through ed down rel ting and to on trailer CBL from w/ 48 ga	pat Name: pat Name: power sw slow. Drin DV. Circ 30' No co tallying in r. Change n TD to 28 sls KCL liq	vivel Il rubber, hole ement hole. TII- overs, sc 350' uid, 5 gal	rubbers s I to bottor raper & b	pinning m. sit to go to	nt	Activation Activation Activation Activation Comment	Time Su vity Mob elal Work pe ging th./LOT D. BHA D. Pipe Deair sing Rig ck Op. ipe	0.5 0.5	74 7.5 18.25 0.5 3 13.25 10 8.5
0600 0730 0745 0845 0900 0915 1200 1230 1530 	ME TO 0730 0745 0845 0900 0915 1200 1230 1600 1930 0000 0000 0000 0000 0000 0000 00	HOUR 1.5 0.3 1.0 0.3 0.3 2.8 0.5 3.0 0.5	Code 28 28 5 5 28 21 3 21 12 28	WO crew on Drill cerm drilled 22 Make co Layed do PU 2 7/8 271 jts - Circulate TOOH Layed do MSC 2-1 RU Exce Mixed 31 for 6% Kr	location lent, 6 p 2' in 1 hr nnection own pow "tubing 8682'. d hole location li for CB 0 bbls o CL water look over lent lent lent lent lent lent lent lent	n, start r ts on bit Drilled Rotate ver swiv Rabbit L. Ran of water r	Supply Bo Crew Bo ig, rig up t, drilling d through ed down el ling and to on trailer	pat Name: pat Name: power sw slow. Drin DV. Circ 30' No co tallying in r. Change n TD to 28 sls KCL liq	vivel Il rubber, hole ement hole. TII- overs, sc 350' uid, 5 gal	rubbers s	pinning m. etting agei	nt	Activation Activation Activation Activation Comment	Time Su vity Mob elal Work pe ging th./LOT D. BHA D. Pipe Deair sing Rig ck Op. ipe	0.5 0.5 5.75	74 7.5 18.25 18.25 0.5 3 13.25 10 8.5

PPI Technology Services

111	Services			a,			1	<u></u>		
	<u>Block, Leas</u> N. Thompson -	e and Well N State MSC		Contract Rig Leede Energy #692	DOL 6	DFC 15	Date on L 10/18/		<u>Comp. Date</u> Oct 18, 2004	Report Date Oct 24, 2004
MD 8,642		ootage PBTD	AFE No.	AFE Amount \$350,000	Auth. TD.	8,700'			Representative Norm Woods	
		sent Operati epare to swa	_	Rig Phone: Rig Fax:	5	05-330-340	02	Toolpush A	er Allen Cermack	

	_		Operation e to swab			1	Rig Phone Rig Fax:	B :	50)5-330-340	2	<u>Toolpushe</u> A	gr llen Cermacl	c		
														DIC ELEV	ATIONS	
Current V	Veather	MMS \			NPDES))	People			BOP Test I	Date 0/18/2004		RKB	RIG ELEV		t
Wind:		Yes	✓ No	LC50	Sample [<u>Jate</u>	Ope	rator		Next BOP			Water Depth			1
Seas:		Incs?	☐ Yes	Pass?	Yes	□No		vice		Next BOI	TOOK Date		RKB-CHF			t
Sky: CASING F	RECORD		المالي	400.		<u> </u>										
	asing Stri	ng	OD	Wt.	Grade	Conn.	Jts.	Run	Setting		DV		MW when	n 1	LOT	Leakoff?
									MD	TVD	MD	TVD	Run	Pres	EMW	Leakon?
Conductor	·		16"		LP J55	W STC		12	100' 505'	100' 505'			Air			
Surface Production			8 5/8" 5 1/2"	24 17	L80	LTC		96	8,690'	8,690'	5,512'	5,512'	8.9			
- TOULUCIO							-									
			V554111	00 DE/	2000											
	SHT, SPE	ED AND H		CS REC	JORD			1	Total	<u> </u>		Γ	Avg		Grade	
BIT No	Size	Manufa		Serial 1	Number	j	ets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
								107 111		184	- 60	Wt	ROT	\A/ +	Tor	nue -
Bit Rer	marks:						Cum. R	ROT. Hrs	PU	Wt	30	VVI	101	44(, , , , ,	100
Duma					1		L	T			L.,,	T			Pump Pres	
Pump No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure	JV	Pb		V	Speed	SPM	Pump #1	Pump #2	Pump #3
			gps					ļ		DC	DP	1/4		ļ	├ ──┤	
1								ļ		<u> </u>	 	1/2 3/4	_		 	
2					<u> </u>	L		<u> </u>	L	J	<u> </u>	3/4		<u> </u>	<u> </u>	
ВНА			- A)													
Length:	131.78	Descri	ption:	I												
												· ·				
MUD DA	TΔ															
	WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	рН	Pm	Pf/Mf
PIT															 	
 											<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		· -														
					Smpl	F.L. Temp	Shakai	r Screens	l	ours N	/lud Engin	ner .		l ,	Mud Compa	ny
	Ch	lorides	Ca	++	Temp	Temp	#1	#2	Desand		nuu Erigiri	301				
PIT	ļ		 		 		#-	#2	Desand	Oon.	†	Mike Well	er		Anchor	
	L		<u> </u>			L	#3	#4	Desilt	Mud CI	Daily Cos	st		C	umulative C	ost
}											T	1	L	<u> </u>	\$7,031	
DIRECTI	ONAL S											1 51		CLO	SURE	
, A	/D		/D	AN	NGLE	Dir	rection	Cool	dinates	<u> </u>	vs .	DL	 	CLO	JUNE	
		 	·			├		 	 	+	 	+	+			
OPERAT	TIONS SI	JMMARY		<u> </u>		<u> </u>										
	ME	1	Time	Boats:			Supply E	3oat Name	:			_	Status:			
FROM	то	HOUR	Code	<u> </u>			Crew E	Boat Name):				Status:			
0600	0730	1.5	28	wo c									4 .		ummary	Cum
0730	0830	1.0	15	Start r	ig. 3 Mer	on loc	ation, no	derrick h	and.					tivity	Daily	Cum.
					ng rope s								1. Mob/Do			74
0830	1015	1.8	21	TIH w	/ tubing t	o 8203'	w/ 118 s	tds, Lan	ded tubing			.,	2. Cemer		 	7.5
1015	1115	1.0	15		ed flags.								3. Circula			19.25
1115	1230	1.3	28						bbls of K					onal Work		ļ
	1	T								and sinker	bars.		5. Drilling		-	
1230	1300	0.5	28	Rigge	d up to p	ull tbg.	Spooled	lose cabl	e on drum	1			6. Drive F		 	
1300	1600	3.0	21	TOOL	w/ tbg.	Stand	back Pul	led 122 st	ds to cab	le.			7. Fishing			ļ
1600	1645		15	Pulling	g cable o	ut of tu	bing with	elevators	s, Recove	red sinker	bar and	both	8. OH Lo			
		1.	\mathbf{I}	swab	cups.								9. Lost C		 	
1645	1830	1.8	21	TIH w	/ tubing v	vith 122	2 stds to	8203' KB	Poured	rope sock	et during	trip in ho	le 10. Drill C	mt./LOT	 	
					ed TIW v								11. N.U./	N.D.	_	0.5
	1			SDFN	1								12. P.U./			3
														D. Pipe	+	13.25
					in on loca								14. R/U;		1	10
		1		Will cl	hange ou	ıt swab	line. No	t enough	swab line	to swab o	lown to p	erfs.	15. Rig R		2.75	10
													16. Run (8.5
	1			1									17. Servi			ļ
—	1		1										18. Sidet			
	1			T									19. Stuck	Pipe		
	+	1	1	T^-									20. Surve	∋ у		
1	 			1									21. Trips		6.5	24.5
	1	-	—	1									22. Tst. E	3OPs		<u> </u>
h	1		1	1									23. UR/H	0		ļ
	+		T	1									24. W.O.	W		0.5
	+		1	1									25. Wash	& Ream		
	+	+	 	†									26. Well	Control		
	+	+	1	T									27. WOO			
 	+-			+									28. Othe		3.25	24.25
 	 	+	1	+									Total		12.5	195.25
Tota	al Hours	12.5	+													
	Downtime		Fuel	Usage		Bulk I	Material o	n Board					us Cost		05,777	
KIGL					Bbls	Ceme	ent:			SX		Daily C			2,981	
Daily		Daily			Bbls	Barite				SX		Cum. 0			08,758	



	Serv	ices			ע				ello	11 1/6	hoi	L				
	Bloc	ck, Lease a					Contract F		DOL	DEC		Location	Comp			t Date
<u></u> _		mpson - St					de Energy		5	14	10/18	1/2004	Oct 18	•	Oct 23	3, 2004
MD	TVD	Foot		AFE	No.		S350,000	_	Auth. TD.	8,700'			Norm Woods			
8,642	8,642	PB1	t Operati	<u> </u>		L	Rig Phon		56	05-330-340	n2	Toolpust		· · · · · ·		
l	/		vith tubing				Rig Fax:	σ.	3.	00-000-040	02		Nilen Cermac	:k		
L		ÇII.	via tooni	9			rug rux.									
Current	Weather	MMS	Visit		NPDES		People	on Loc.:		BOP Test	Date		1	RIG ELEV	ATIONS	
Wind:		Yes	√ No	LC50	Sample	Date	Оре	rator			10/18/200	4	RKB		15	ft
Seas:		Incs?	Yes				Cont	ractor		Next BOP	Test Date)	Water Dept	h		ft
Sky:			☐ No	Pass?	Yes	☐ No	Sei	rvice					RKB-CHF			ft
	RECORD													,		
	Casing Str	ing	OD	Wt.	Grade	Conn.	Jts.	Run		Depth		Tool	MW when	D	LOT	Leakoff?
	a. Panter		16"		LP	l w	1		MD 100'	TVD 100'	MD	TVD	Run	Pres	EIVIVV	Leakon
Conducto Surface	or		8 5/8"	24	J55	STC	ļ	12	505'	505'		 	Air			
Production	on		5 1/2"	17	L80	LTC		96	8,690'	8,690'	5,512	5,512	8.9			
														I		
					<u> </u>						_	ļ	<u> </u>	ļ	ļ	<u> </u>
BIT WE	CHT SPE	ED AND H	IVDRAUI	ICS RE	ORD		L			<u> </u>			<u> </u>		<u> </u>	L
BIT	1	Bit Typ		1				Ţ	Total				Avg		Grade	
No	Size	Manufa		Serial	Number		lets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
D" 5		L		L			C 5	OT. Hrs	- 0'	Wt	- 60) Wt	ROT	I W+	To	que
Bit Re	marks:						Cum. F	OI, HIS			1 30	, , , , ,	, RO	771	10	400
Pump				1		T				[T		Slow	Pump Pres	sures
No.	Stroke	e X Liner	Output	SPM	GPM	Pre	essure	٦٧	Pb		V	Speed	SPM	Pump #1	Pump #2	Pump #3
	<u> </u>		gps					<u> </u>		DC	DP	1/4				
1			ļ								 	1/2		ļ	ļ	
2	<u> </u>		L	l	<u> </u>	<u> </u>			<u> </u>	L	<u> </u>	3/4	<u> </u>		L	L
BHA Length:	131.78'	Descri	ption:									·				
Longui	101.70	D00011	ption.											1		
				-,												
MUD DA	TA															
	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pН	Pm	Pf/Mf
PIT																
	L	<u> </u>		<u> </u>			L			l	1	<u> </u>			<u> </u>	
			Т		Smpl	F.L.	T		·							
	Chl	orides	Ca	a++	Temp	Temp	Shaker	Screens	Ho	ours N	lud Engin	eer		•	lud Compa	ny
PIT							#1	#2	Desand	Cent.					A TOMO MATERIA	
	<u> </u>		l			L						Mike Welk	er		Anchor	
i							#3	#4	Desilt	Mua Ci	Daily Cos	T			umulative C \$7,031	ost
DIRECT	IONAL SU	RVEYS	***************************************				1					1			47,001	
N	ИĎ	Ťν	'D	AN	GLE	Dir	ection	Coor	dinates	· ·	/S	DL		CLOS	URE	
OPERAT	TIONS SU	MMARY		L					<u> </u>		<u> </u>	1	L			· ·
	ME	I	Time	Boats:			Supply B	oat Name:					Status:			
FROM	TO	HOUR	Code	Douto.				oat Name:				-	Status:			
0600	0730	1.5	28	WO Cr	ew									Time St	ımmary	
0730	1200	4.5		Start ri	g. Rainir	ng very	hard. Si	nker bar f	ell to botto	om. Push	er bringin	9	Act	ivity	Daily	Cum.
				new do	g house	to loca	tion. Cre	w short \	NO crew.				1. Mob/De	Mob		74
1200	1415	2.3	21	-					ack tubing				2. Cement			7.5
									ith elevato	ors. Pulled	app. 80	D'	3. Circulat			19.25
								ng short-					4. Directio	nal Work		
1415	1800	3.8	15						cator and				5. Drilling			
		ļ							or splicing.		oad section	on	6. Drive Pi	ре	<u> </u>	
<u> </u>	ļ		<u> </u>	and sp	ice sand	lline ba	ck togeth	er. Reele	d line on	drum.			7. Fishing			
	ļ	 											8. OH Log			ļ <u>.</u>
ļ	ļ		<u> </u>	SDFN									9. Lost Cir		L	ļ
	ļ			ļ									10. Drill C			
	ļ	ļ	ļ	No chà	rge on L	eede E	nergy #6	92 pump/	rig today				11. N.U./ N			0.5
			1										12. P.U./L.		ļ	3
	ļ	ļ	ļ										13. P.U./L			13.25
	<u> </u>		1	 									14. R/U; R		ļ	10
	ļ	1	<u> </u>										15. Rig Re		3.75	7.25
	ļ		 										16. Run C		ļ	8.5
<u> </u>	ļ		—										17. Service		ļ	ļ
	 	 	1										18. Sidetra		<u> </u>	ļ
											-		19. Stuck			
ļ													20. Survey	<u> </u>		15
													21. Trips	3Da	2.25	18
													22. Tst. BC			
1								···-					23. UR/HC		<u> </u>	
 	 	 	 	 									24, W.O.W		1	0.5
	 	 	 										25. Wash			
	 		1	 									26. Well C	ontrol		ļ
		· · · · · ·		 									27. WOC 28. Other		1.5	21
 -													Total		7.5	182.75
L	ı												∎ rotal		1.5	1 104./5

Previous Cost Daily Cost Cum, Cost \$301,526

<u></u>	PPI Techr	ology			D	N	ISC	Exp	olora	tion	nort	Ī				
	<u>Servi</u>	CES Lease and	d Well No	2.	ט		Contract R		DOL	n Re	Date on L	ocation	Comp.		Repor	
	N. Thon	pson - Stat	e MSC #	16-1			le Energy FE Amou		8 Auth. TD.	17	10/18/		Oct 18, Representat		Oct 26	, 2004
MD 8,642	TVD 8,642	Footage PBTI		AFE	NO.		\$350,000	— ı		8,700'			Norm Woods			
			Operation e to swat				Rig Phone Rig Fax:	9:	50	5-330-340	2	Toolpush A	<u>er</u> Allen Cermaci	·		
										BOP Test I	Onto			RIG ELEV	TIONS	
Current \	Veather	MMS \	/isit ✓ No		NPDES Sample (Date	People Ope	on Loc.:			0/18/2004		RKB	KIO ELEVI	15	ft
Seas:		incs?	Yes				Cont	ractor		Next BOP	Test Date		Water Depth RKB-CHF			ft
Sky:			☐ No	Pass?	Yes	No	Ser	vice					KKB-CHF			
CASING	asing Stri	ng	OD	Wt.	Grade	Conn.	Jts.	Run	Setting		DV.		MW when	Pres	LOT	Leakoff?
			16"		LP	w			MD 100'	TVD 100'	MD	TVD	Run	ries	LIVIV	Louis III
Conducto Surface	<u>r</u>		8 5/8"	24	J55	STC		12	505'	505'		5.5401	Air			
Productio	n		5 1/2"	17	L80	LTC	1	96	8,690'	8,690'	5,512'	5,512'	8.9			
BIT. WEI	GHT, SPE	ED AND H	YDRAUL	ICS REC	ORD										Grade	
BIT		Bit Type Manufa	e and		Number		ets	Depth In	Total Footage	Hrs	woв	Rpm	Avg ROP	Tooth	Bearing	Gage
No	Size	Manura	cturer	Senai	Number	,	615	Боран								
							Cum	ROT. Hrs	PL) Wt	SO	Wt	ROT	Wt	To	rque
<u>Bit Re</u>	marks;		'				Çuii. I	XO1.1110						Olavi	O Oro	0011506
Pump			Output	SPM	GPM	Pre	essure	٦٧	Pb	۸	W	Speed	SPM	Pump #1	Pump Pre Pump #2	Pump #3
No.	Stroke	X Liner	gps	3FW	Grivi	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			DC	DP	1/4				
1								I		<u> </u>	 	1/2 3/4				
BHA	l			<u> </u>				1			1					
MUD DA	TA WT.	Vis	PV	YP	GELS	WL	НТНР	CAKE	SLDS %	LGS %	OIL %	SD %	мвт	рН	Pm	Pf/Mf
PIT						-					 	+ -				
		<u> </u>				<u> </u>								-		
	Ch	lorides	0	a++	Smpl Temp	F.L. Temp		r Screens	H Desand		Mud Engin	eer		N	/lud Comp	any
PIT	<u> </u>		ļ			+	#1	#2	Desano			Mike We	lker	<u> </u>	Anchor	Cost
							#3	#4	Desilt	Mud Cl	Daily Co	st			\$7,031	Cost
DIRECT	IONAL S	URVEYS			,						V6	I DL		CLO	SURE	
	MD		VD	A	NGLE	Di	irection	Coo	rdinates	-	VS	- OL		0.00	JUINE	
		JMMARY	1 7:	Boats:			Supply	Boat Name	a:				Status:			
FROM	TIME TO	HOUR	Time Code					Boat Name					Status:	Time S	ummary	
0600			28	WO c	rew rig., Rig	un Evoc	all to ner	forate					- Ad	tivity	Daily	Cum.
0730 0830			28 28	Run	ng., Rig	up Exce	. Coore	lated with	bond log				1. Mob/D	eMob		74
1.0000	10000	1.0	1-20	Pulled	d up to 8	447'. S	hot from	8446' to 8	3476' w/ 4	shots per	r foot w/ .	43" jets	2. Cemer		+	7.5 19.25
				43" p	enetratio	n. Total	of 120 h	noles. All s	shots fired	l			Circula Directi	onai Work		19.25
0000	4200		1-15	No ga	as blow a	after per	foration.	Rig dow e at crowr	n Excell_				5. Drilling			
0930	1200	2.5	15	Spoo	led 8000	of old	sandline	onto emp	ty spool o	on truck			6. Drive	Pipe		
1200	1530	3.5	15	Spoo	led 14.50	00' of ne	ew 9/16"	sandline o	onto rig.		0.00=:	E A E-1	7. Fishin			
1530	1730	2.0	21	PU 2	7/8". 5.	5" Horn	et packe	r (6.83') s	eating nip	ple (1.10') & 265 jts	of tubir	g. 8. OH Lo 9. Lost C			
	-		+	Land	ed top of	r packer	Set nine	rams on	ധ്ര മാമ്മ. BOPs.	Set packe	, W/ 10 IV			Cmt./LOT		
1730	1830	1.0	28	Pour	ed rope :	socket o	on new s	andline.					11. N.U.			0.5
				_	N @ 183									L.D. BHA		13.25
							Mich -	1000					13. P.U. 14. R/U;	L.D. Pipe R/D		10
				Tool	pusher w	alked o	nis PM	1000 hrs Arrived on	location a	at 1530 hr	S		15. Rig I		6	16
-	 				P431161 1	ng ti							16. Run			8.5
													17. Serv	ice Rig track Op.	-	
		- 1	+-	┵									19. Stud			

4.5 38 28. Other Total 12.5 220.25 Total Hours \$314,696 \$12,556 \$327,252 Bulk Material on Board Cement: Barite: Previous Cost Daily Cost Cum. Cost Fuel Usage Rig Downtime sx sx Bbls Bbls Daily Cum. 801.5

75 (F.M. 232 % TWM)

20. Survey

24. W.O.W. 25. Wash & Ream 26. Well Control 27. WOC

21. Trips 22. Tst. BOPs 23. UR/HO

29.75

0.5



	Ser	nnolog vices	.			Dail	y C	omp	letic	n R	epoi	rt				
	_	lock, Lease hompson - S				Le	Contract		DOL 7	<u>DFC</u> 16		n Location 8/2004		p. Date		port Date
MD	TVD	Foo	otage		E No.		AFE Am		Auth. TE		10/1		ny Represen	8, 2004 tative	Oct	25, 2004
8,642	8,642		STD ent Opera	tion			\$350,00 Rig Pho		<u> </u>	8,700'	100	7	Norm Woo	ds		
L			to perfor				Rig Fax			505-330-34	102	Toolous	sher Allen Cerma	ick		
Current	l Weathe	r] MMS	S Visit		NPDES		People	on Loc.:	T	BOP Tes	t Date		T	RIG ELE	VATIONS	
Wind: Seas:		Yes	✓ N		0 Sample	Date		erator			10/18/200		RKB		15	ft
Sky:		Incs?	Ye	o Pass?	Yes	□No	+	tractor ervice	-	Next BO	P Test Dat	Ө	Water Dep	th		ft
	RECOR		7	1									100000			
'	Casing S	string	OD	Wt.	Grade	Conn.	Jts	. Run	Settin MD	g Depth	MD	Tool	MW when	Pres	LOT	Leakoff
Conducto	or		16"		LP	W			100'	100'			1,011	1.03		Loakon
Surface Production	on .		8 5/8" 5 1/2"	17	J55 L80	STC		12 196	505' 8,690'	505' 8,690'	5,512'	5,512'	Air 8.9	 		
												3,012	0.5			
						+			 	 		 			_	
RIT WEI	CHT S	PEED AND	HYDRAII	I ICE DE	COPD								<u> </u>			
BIT	1	Bit Ty	pe and	LICS KE	CORD	T .		1	Total	1		T	Avg	т	Grade	
No	Size	Manuf	acturer	Serial	Number	ļ	lets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
				 						<u> </u>						
Bit Re	marks:						Cum. F	ROT. Hrs	PL	Wt	SC	Wt	RO	T Wt	T	orque
Pump	Γ		1	T	1			T .			<u></u>	1		Slow	Pump Pre	estires
No.	Stroi	ke X Liner	Output	SPM	GPM	Pre	ssure	J۷	Pb		V OR	Speed	SPM	Pump #1	Pump #2	2 Pump #
1			gps							DC	DP	1/4	 			
2 BHA												3/4				
Length:	131.78	Descr	iption:	r												
MUD DA	TA			-												
	WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	мвт	рН	Pm	Pf/Mf
PIT			-													1
			<u> </u>		L	L		L			L	<u>. </u>		<u></u>	L	J
	Ch	lorides	<u> </u>	9++	Smpl Temp	F.L. Temp	Shakar	Screens					T	Γ		
PIT	Ö	iorides	Ų,	JTT	Temp	Temp	#1	#2	Desand		lud Engine	er			lud Compa	any
							#0					/like Welk	er		Anchor	
							#3	#4	Desilt	Mud CI	Daily Cos		 	Cu	mulative (\$7,031	Cost
DIRECTION		JRVEYS	Ď	I ANO	3LE	Dire	ction	Coore	inates							
						- Dillo	CHOIT	Coord	mates	v	3	DL		CLOS	URE	
OPERATI	ONS SU	MMÄRY														
TIM FROM		1,,,,,,,	Time	Boats:				at Name:					Status:			
0600	TO 0730	HOUR 1.5	Code 28	WO Cre	WS		Crew Bo	oat Name:					Status:			
0730	0845	1.3	28			flags or	sand lin						Acti	Time Su	mmary Daily	Cum.
0845 1015	1015	1.5	28	RIH w/s	wab. F	L=3500	Recov	ered 15 b	bls on 3 r	uns			1. Mob/Del		Daily	74
1015	1030 1415	0.3 3.8	28 28					tor rubber					2. Cement			7.5
		3.8	20	on rig.	o a totai	01 147	ools on 1	3 runs. I	-L=7600'.	Total len	gth of sai	ndline	 Circulate Direction 			19.25
1415	1730	3.3	21		vith 130	stds tub	ing stand	ding back					5. Drilling	iai vvork		
1730	1830	10		Closed b									6. Drive Pi	е		
-1700	1000	1.0		Lay 2" fl: SDFN	are and	water fir	ne to pit v	with choke	e on line				7. Fishing			
													8. OH Logo 9. Lost Circ			
													10. Drill Cm			
			 										11. N.U./ N	.D.		0.5
			$\vdash \vdash \vdash$										12. P.U./L.(3
													13. P.U./L.[14. R/U; R/			13.25 10
													15. Rig Rep	air		10
													16. Run Ca			8.5
													17. Service 18. Sidetrac			
													19. Stuck P			
\dashv													20. Survey			
													21. Trips 22. Tst. BO	Po	3.25	27.75
													23. UR/HO	5		
													24. W.O.W.			0.5
			-+										25. Wash &			
													26. Well Co 27. WOC	ntrol		
						-							27. WOC 28. Other		9.25	33.5
4	NIFE.	12.5											Total		12.5	207.75
Total Ho	Julo I															
Rig Dowr	ntime		Fuel Usa				rial on Bo	ard			P	revious C	ost	\$308.7	58	
	ntime	Daily Cum.	Fuel Usa 801.	В	bis C	ulk Mate ement: arite:	rial on Bo	ard	S		0	revious C ally Cost um. Cost		\$308,7 \$5,93 \$314,6	8	

DIA GROUP, GROUPE THE



	k, Lease and Well N npson - State MSC #		Contract Rio Leede Energy #692	<u>DOL</u> 10	<u>DFC</u> 19	Date on Location 10/18/2004	Comp. Date Oct 18, 2004	Report Date Oct 28, 2004
MD TVD 642 8,642	Footage PBTD	AFE No.	AFE Amount \$350,000	Auth. TD.	8,700	Compan	v Representative Norm Woods	
<u> </u>	Present Operation Prepare to swa		Rig Phone: Rig Fax:	5	05-330-34		<u>ner</u> Allen Cermack	
urrent Weather	MMS Visit	NPDES	People on Loc.:		BOP Test	Date	RIG ELE	VATIONS

			Operation of the contract of t				Rig Phone Rig Fax:					A	len Cermac	:K		
										500 T	S-12			RIG ELEV	ATIONS	
ırrent We	eather	MMS		_	NPDES	D-4	People		I	BOP Test I	Date 0/18/2004	<u></u>	RKB	NIG ELEV		t
ind:		Yes	✓ No	LC50	Sample	Date	Contr	rator		Next BOP			Water Depti	h		1
eas:		Incs?	Yes	Pass?	Yes	□No		vice		TOXE BO			RKB-CHF		1	t
ky: BING RE	ECORD			F 455 :	1.03											
	sing Strir	ng	OD	Wt.	Grade	Conn.	Jts.	Run	Setting			Tool	MW when	D 1	EMW	Leakoff?
									MD	TVD	MD	TVD	Run	Pres	EMIVV	Leakon
nductor			16"		LP	W	4	2	100' 505'	100' 505'		 	Air	 		
face			8 5/8" 5 1/2"	24 17	J55 L80	STC		96	8,690'	8,690'	5,512'	5,512	8.9			
duction			3 1/2	- ''-												
														 		
			128 8 4 1 1	100 05	6000	·								1		
	HT, SPE	ED AND H		LICS RE	CORD	т		Τ'''	Total	1			Avg		Grade	
BIT No	Size	Manufa		Serial	Number	l J	lets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
110	-															
										144	6/) Wt	BO	T Wt	Tor	que
Bit Rem	arks:						Cum. F	ROT. Hrs	PO	Wt	30	J VVL	NO.	1 441		400
							<u> </u>	1	<u> </u>			Τ			Pump Pres	
mp No.	Stroke	X Liner	Output	SPM	GPM	Pre	essure	J∨	Pb		١V	Speed	SPM	Pump #1	Pump #2	Pump #3
	JUOKE		gps	<u></u>	1					DC	DP	1/4		<u> </u>		
1												1/2				
2								L	<u> </u>	1		3/4				
IA.																
ength:	131.78'	Descr	iption:	L												
UD DAT	Δ															
JU DAT		VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pН	Pm	Pf/Mf
	WT.	V13	1-7	+ '-	0		T			Ţ						
T			+	+	+	+ -		1	· · · · · · · · · · · · · · · · · · ·							
			T		Smpl	F.L.	T		T					1	/lud Compa	nv
l	Chl	orides		a++	Temp	Temp	-	r Screens		الخاند والمنتقب	Mud Engi	neer			ilda Compa	
							#1	#2	Desand	Cent.	4	Mike Well		İ	Anchor	
T																
iT									Decill	Mud CI	Daily Co		T	- c	umulative C	Cost
IT .						<u> </u>	#3	#4	Desilt	Mud Cl	Daily Co		Ker	С		Cost
		IAVEVO				<u> </u>	#3	#4	Desilt	Mud Cl	Daily Co		Ker		umulative C \$7,031	Cost
IRECTIO	ONAL SU	JRVEYS	VD	1 A	NGLE	I Di	#3		Desilt		Daily Co		(er		umulative C	Cost
		JRVEYS	VD		NGLE						I	ost	Ker		umulative C \$7,031	Cost
IRECTIO		JRVEYS	VD	A	NGLE	I Di					I	ost	(er		umulative C \$7,031	Cost
IRECTION MI	ID	T	VD	^	NGLE	I Di	irection	Coo	rdinates		I	ost		CLOS	umulative C \$7,031	Cost
IRECTION MI	IONS SU	MMARY	Time	Boats		Di	rection	Coo	rdinates		I	ost	Status:	CLOS	umulative C \$7,031	Cost
DPERATION FROM	IONS SU	T	Time	Boats		Di	rection	Coo	rdinates		I	ost		CLOS	umulative (\$7,031 SURE	Cost
PERATION TINE	IONS SU ME TO 0730	HOUR	Time Code	Boats	Crew		Supply Crew	Boat Name	rdinates		I	ost	Status: Status:	CLOS	umulative 0 \$7,031 SURE	
DPERATION FROM	IONS SU	MMARY	Time	Boats WO 0	Crew rig. TP=	0 psi, C	Supply Crew	Coo Boat Name Boat Name	rdinates e: e: swab to ta		I	ost	Status: Status:	CLO:	umulative (\$7,031 SURE	Cum.
PERATION TINE	IONS SU ME TO 0730	HOUR	Time Code	WO C	Crew rig. TP=	0 psi, C	Supply Crew :P = 0 ps	Boat Name Boat Name	e: swab to ta	ag FL	vs I	DL	Status: Status:	CLOS Time S ctivity DeMob	umulative 0 \$7,031 SURE	Cum.
PERATION TINE	IONS SU ME TO 0730	HOUR	Time Code	WO C Start Ran s	Crew rig. TP= swab to led up BJ	0 psi, C	Supply Crew CP = 0 psi of fluid. I	Boat Name Boat Name i, Rig up aid down dize perfs	rdinates s: s: swab to tall swab 8447' to 8	ag FL 8476' w/ 1	vs 5% HCI	DL	Status: Status: A. 1. Mob/D. 2. Ceme	Time S	umulative 0 \$7,031 SURE	Cum. 74 7.5
PPERATI TIM FROM 0600	TONS SU ME TO 0730	HOUR 1.5 0.5	Time Code 28	WO C Start Ran s	Crew rig. TP= swab to led up BJ	0 psi, C	Supply Crew CP = 0 psi of fluid. I	Boat Name Boat Name i, Rig up aid down dize perfs	e: swab to ta	ag FL 8476' w/ 1	vs 5% HCI	DL	Status: Status: A 1. Mob/Ľ 2. Ceme 3. Circul	Time S ctivity DeMob	summary Daily	Cum.
PPERATI TIM FROM 0600	TONS SU ME TO 0730	HOUR 1.5 0.5	Time Code 28	WO C Start Rans Rigge w iron	Crew rig. TP= swab to 6 ad up BJ n control	0 psi, C 8360'. N on tubin , corrosi	Supply Crew CP = 0 psi o fluid. L ng to acid ion inhibi	Boat Name Boat Name i, Rig up Laid down dize perfs tor, clay s	s: swab to ta swab 8447' to 8 tabilizer, 1	ag FL 8476' w/ 1	vs 5% HCI	DL	Status: Status: A 1. Mob/I 2. Ceme 3. Circul 4. Direct	Time S ctivity DeMob ent late	summary Daily	Cum. 74 7.5
PERATI TIM FROM 0600	TONS SU ME TO 0730	HOUR 1.5 0.5	Time Code 28	WO C Start Rans Rigge w iron	Crew rig. TP= swab to 6 ed up BJ n control emulsifie safety m	0 psi, C 8360'. N on tubii , corrosi r.	Supply Crew P = 0 psi o fluid. Leng to acicion inhibi	Boat Name Boat Name i, Rig up aid down dize perfs tor, clay s	s: swab to ta swab 8447' to 8 tabilizer, 1	ag FL 8476' w/ 1 friction rec	vs 5% HCl	DL	Status: Status: A. 1. Mob/E 2. Ceme 3. Circul 4. Direct 5. Drillin	Time S ctivity DeMob ent late tional Work	summary Daily	Cum. 74 7.5
PERATING O600 0730 0800	IONS SU ME TO 0730 0800 0830	HOUR 1.5 0.5	Time Code 28 28 28	Boats WO C Start Ran s Rigge w iron non-e Held	Crew rig. TP= swab to to ed up BJ n control emulsifie safety m	0 psi, C 8360'. N on tubin , corrosi r. neeting.	Supply Crew P = 0 psi to fluid. Ling to acidion inhibitory. Pressurubing. Pressurubing. Pressurubing. Pressurubing.	Boat Name Boat Name i, Rig up aid down dize perfs tor, clay s e tested a	s: swab to ta swab 8447' to 8 tabilizer, f	ag FL 3476' w/ 1 friction rec 6000 psi 5.9 bbls/m	5% HCI	DL acid/	Status: Status: A. 1. Mob/E 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive	Time S ctivity DeMob ent late tional Work	summary Daily	Cum. 74 7.5
PERATION 0600 0730 0800 0830	IONS SU ME TO 0730 0800 0830	HOUR 1.5 0.5	Time Code 28 28 28	Boats WO C Start Ran s Rigge w iron non-e Held Pum 30 bl	Crew rig. TP= swab to 6 ad up BJ n control amulsifie safety m ped acid	0 psi, C 8360'. N on tubin , corrosi r. neeting. down tu	Supply Crew P = 0 psi to fluid. Ling to acidion inhibitory. Pressurubing. Pressurubin	Boat Name Boat Name i, Rig up aid down dize perfs tor, clay s e tested a ressure 2:	s: swab to ta swab 8447' to 8 stabilizer, f	ag FL 3476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid	5% HCI ducer,	DL acid/	Status: Status: A. 1. Mob/C 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir	Time S ctivity DeMob ent late tional Work g Pipe	summary Daily	Cum. 74 7.5
PERATION 0600 0730 0800 0830	IONS SU ME TO 0730 0800 0830	HOUR 1.5 0.5	Time Code 28 28 28	Boats WO C Start Ran s Rigge w iron non-c Held Pum 30 bl 3 bal	Crew rig. TP= swab to 6 ed up BJ n control emulsifie safety m ped acid ols pump	0 psi, C 8360'. N on tubii , corrosi r. neeting. down tu	Supply Crew P = 0 psi of fluid. Ling to acidion inhibitory. Pressurubing. Pressurubin	Boat Name Boat Name i, Rig up aid down dize perfs tor, clay s e tested a ressure 29 3.5.9 bpm id on form	s: swab to ta swab 8447' to 8 stabilizer, 1 still lines to 90 psi @ 5 , 47 total nation. Pres	ag FL 3476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid	5% HCI ducer,	DL acid/	Status: Status: A. 1. Mob/C 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH Lo	Time S ctivity DeMob ent late tional Work g Pipe	summary Daily	Cum. 74 7.5
PERATI TIN FROM 0600 0730 0800	IONS SU ME TO 0730 0800 0830	HOUR 1.5 0.5	Time Code 28 28 28	Boats WO C Start Ran s Rigge w iron non-c Held Pum 30 bl 3 bal	Crew rig. TP= swab to 6 ed up BJ n control emulsifie safety m ped acid ols pump	0 psi, C 8360'. N on tubii , corrosi r. neeting. down tu	Supply Crew P = 0 psi of fluid. Ling to acidion inhibitory. Pressurubing. Pressurubin	Boat Name Boat Name i, Rig up aid down dize perfs tor, clay s e tested a ressure 29 3.5.9 bpm id on form	s: swab to ta swab 8447' to 8 stabilizer, 1 still lines to 90 psi @ 5 , 47 total nation. Pres	ag FL 3476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid	5% HCI ducer,	DL acid/	Status: Status: A. 1. Mob/C 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH Le 9. Lost (Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ.	summary Daily	Cum. 74 7.5
PERATION 0600 0730 0800 0830	IONS SU ME TO 0730 0800 0830	HOUR 1.5 0.5	Time Code 28 28 28	Boats WO C Start Ran : Rigge w iron non-e Held Pum 30 bl 3 bal lnc. r	crew rig. TP= swab to 6 and up BJ n control amulsifie safety m ped acid pls pump tale to 5	0 psi, C 8360'. N on tubin , corrosi r. neeting. down to sel. At 47 bpm, project	Supply Crew CP = 0 psi of fluid. It ing to acicion inhibition inh	Boat Name Boat Name i, Rig up aid down dize perfs tor, clay s e tested a ressure 2: 3 5.9 bpm id on form ic. to 280 50 psi @	s: swab to ta swab 8447' to 8 tabilizer, f If lines to 90 psi @ 5 , 47 total nation. Pre 0 psi. 5 bpm.	ag FL 3476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid essure 220	5% HCI ducer, pumped	acid/ dropping 2.8 bpm	Status: Status: 1. Mob/C 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH Lo 9. Lost (10. Drill	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ.	summary Daily	Cum. 74 7.5 19.25
PERATI TIN FROM 0600 0730 0800	IONS SU ME TO 0730 0800 0830	HOUR 1.5 0.5	Time Code 28 28 28	Boats WO C Start Ran s Rigge w iron non-e Held Pum 30 bal Inc. r At 60	Crew rig. TP= swab to 6 ed up BJ n control emulsifie safety m ped acid bis pump ls per bb rate to 5 0 bbls ac	0 psi, C 8360'. N on tubii , corrosi r. neeting. down tu sed P= 2 sl. At 47 bpm, prid pump	Supply Crew P = 0 psi o fluid. Ling to acidion inhibi Pressurubing. Pressurubing. Pressure in ed. P-26 psi @ bed, P-26 psi ded, P-26 psi ded, starte	Boat Name Boat Name i, Rig up aid down dize perfs tor, clay s e tested a ressure 2: 2 5.9 bpm id on form ic. to 2800 50 psi @ ed flush w	s: swab to ta swab 8447' to 8 stabilizer, 1 stabilizer, 2 47 total nation. Pre po psi 5 bpm.	ag FL 8476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid essure 220	5% HCI ducer, pumped	acid/ dropping 2.8 bpm	Status: Status: A. 1. Mob/C 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishin 8. OH Lo 9. Lost (10. Drill prr 11. N.U.	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT	summary Daily	Cum. 74 7.5 19.25
PERATI TIN FROM 0600 0730 0800	IONS SU ME TO 0730 0800 0830	HOUR 1.5 0.5	Time Code 28 28 28	Boats WO C Start Ran : Rigge w iron non-e Held Pum 30 bl 30 bal Inc. r At 60 At 72	Crew rig. TP= swab to 6 ad up BJ n control amulsifie safety m ped acid bls pump ls per bb ate to 5 b bbls ac bbls pumb	0 psi, C 8360'. N on tubii , corrosi , ceeting. down tubed P= 2 bl. At 47 bpm, prid pump id pump	Supply Crew P = 0 psi o fluid. L ng to acidion inhibi Pressur ubing. Pr 282 psi @ bbls, ac essure in ed, P-26 ed, start s on perf	Boat Name Boat Name i, Rig up Laid down dize perfs tor, clay s e tested a ressure 2: 2 5.9 bpm id on form ic. to 2800 50 psi @ ed flush w s, P=290	s: swab to ta swab 8447' to 8 stabilizer, f	ag FL 8476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid essure 220	5% HCI ducer, sin pumped 00 psi @	acid/ dropping 2.8 bpm	Status: Status: A 1. Mob/E 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH L 9. Lost (10. Drill orr 11. N.U. 12. P.U.	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT ./ N.D.	summary Daily	Cum. 74 7.5 19.25
PERATI TIN FROM 0600 0730 0800	IONS SU ME TO 0730 0800 0830	HOUR 1.5 0.5	Time Code 28 28 28	Boats WO C Start Rans Rigge w iron non-c Held Pum 30 bl 3 bal Inc. r At 67 94 b	crew rig. TP= swab to 6 ad up BJ n control amulsifie safety m ped acid pls pump ls per bb rate to 5 0 bbls acc bbls pump bbls pump	0 psi, C 8360'. N on tubin , corrosi neeting. down tubed P= 2 ol. A 47 bpm, prid pump id pump ped, ball	Supply Crew P = 0 psi o fluid. L ng to acidion inhibi Pressur- ubing. Pr 282 psi @ ' bbls, ac essure in led, P-26 led, start is on perf = 3525 ps	Boat Name Boat Name Boat Name i, Rig up Laid down dize perfs tor, clay s e tested a ressure 2: 2 5.9 bpm id on form ic. to 280 50 psi @ 6d flush w fs, P=290 si @ 6.4 b	s: s: swab to ta swab 8447' to 8 stabilizer, f stabilizer,	ag FL 8476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid essure 220	5% HCI ducer, pumped 00 psi @	acid/ dropping 2.8 bpm	Status: Status: 1. Mob/E 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH Lo 9. Lost (10. Drill orr 11. N.U. 12. P.U. 13. P.U.	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT ./N.D.	summary Daily	Cum. 74 7.5 19.25
PERATI TIN FROM 0600 0730 0800	IONS SU ME TO 0730 0800 0830	HOUR 1.5 0.5	Time Code 28 28 28	Boats WO C Start Rans Rigge w iron non-c Held Pum 30 bl 3 bal Inc. r At 67 94 b	crew rig. TP= swab to 6 ad up BJ n control amulsifie safety m ped acid pls pump ls per bb rate to 5 0 bbls acc bbls pump bbls pump	0 psi, C 8360'. N on tubin , corrosi neeting. down tubed P= 2 ol. A 47 bpm, prid pump id pump ped, ball	Supply Crew P = 0 psi o fluid. L ng to acidion inhibi Pressur- ubing. Pr 282 psi @ ' bbls, ac essure in led, P-26 led, start is on perf = 3525 ps	Boat Name Boat Name Boat Name i, Rig up Laid down dize perfs tor, clay s e tested a ressure 2: 2 5.9 bpm id on form ic. to 280 50 psi @ 6d flush w fs, P=290 si @ 6.4 b	s: s: swab to ta swab 8447' to 8 stabilizer, f stabilizer,	ag FL 8476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid essure 220	5% HCI ducer, pumped 00 psi @	acid/ dropping 2.8 bpm	Status: Status: A 1. Mob/E 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH L 9. Lost (10. Drill orr 11. N.U. 12. P.U.	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT ./N.D.	summary Daily	Cum 74 7.5 19.25 0.5 3 13.2
PERATI TIN FROM 0600 0730 0800 0830 0845	ONS SUME TO 0730 0800 0830 0845 0915	HOUR 1.5 0.5 0.5 0.3	28 28 28 28 28	Boats WO C Start Ran s Rigge w iron non-c Held Pum 30 bl 3 bal Inc. r At 60 At 72 94 b 110 Balls	crew rig. TP= swab to 6 swab to 6 smulsifie safety m ped acid pls pump ls per bb rate to 5 0 bbls ac 0 bbls pum bbls pum s still in to	0 psi, C 8360'. N on tubin , corrosi r. eeting. down tubed P= 2 ol. A 47 bpm, prid pump id pump bed, ball	Supply Crew P = 0 psi o fluid. L ng to acidion inhibi Pressur ubing. Pr 282 psi @ ' bbls, ac essure in ed, P-26 ed, start is on perf = 3525 ps verdispla	Boat Name Boat Name i, Rig up Laid down dize perfs tor, clay s e tested a ressure 2: 2 5.9 bpm id on form ic. to 280 50 psi @ 6d flush w fs, P=290 si @ 6.4 b ced w/ 30	s: s: swab to ta swab 8447' to 8 stabilizer, f stabilizer,	ag FL 8476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid essure 220 CL H2O F 9 bpm pressure b KCL H2O	5% HCI ducer, pumped 00 psi @	acid/ dropping 2.8 bpm psi @ 5 bp	Status: Status: 1. Mob/E 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH Lo 9. Lost (10. Drill orr 11. N.U. 12. P.U. 13. P.U.	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT / N.D. //L.D. BHA //L.D. Pipe ; R/D	summary Daily	Cum 74 7.5 19.25 0.5 3 13.2
PERATI TIN FROM 0600 0730 0800	ONS SUME TO 0730 0800 0830 0845 0915	HOUR 1.5 0.5 0.5 0.3	Time Code 28 28 28	Boats WO C Start Ran s Rigge w iron non-c Held Pum 30 bl 3 bal Inc. r At 60 At 70 94 b 110 Balls Tota	Crew rig. TP= swab to 6 and up BJ n control amulsifie safety m ped acid pls pump ls per bb rate to 5 0 bbls ac 0 bbls pum bbls pum s still in tu	0 psi, C 8360'. N on tubin, corrosi neeting. down tubed P= 2 ol. A 47 bpm, prid pump id pump ped, ball nped, P= ubing, or	Supply Crew P = 0 psi o fluid. L ng to acidion inhibi Pressur ubing. Pr 282 psi @ bbls, ac essure in ed, P-26 ed, start s on perf = 3525 ps verdispla	Boat Name Boat Name i, Rig up Laid down dize perfs tor, clay s e tested a ressure 2: 2 5.9 bpm id on form ic. to 2800 50 psi @ 6d flush w fs, P=2900 si @ 6.4 b ced w/ 300 6 6.3 bpm	s: swab to ta swab 8447' to 8 stabilizer, f	ag FL 8476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid bssure 220 CL H2O F 9 bpm bressure b KCL H2O 850 psi, 5	5% HCI ducer, pumped 00 psi @ P= 2590 preak , Total 1, mn = 21	acid/ dropping 2.8 bpm cosi @ 5 bp	Status: Status: A. 1. Mob/C 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH Lo 9. Lost (10. Drill or 11. N.U. 12. P.U. 13. P.U. 14. R/U 15. Rig	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT / N.D. //L.D. BHA //L.D. Pipe ; R/D	summary Daily	Cum. 74 7.5 19.25 0.5 3 13.2 10 16
PERATI TIN FROM 0600 0730 0800 0830 0845	ONS SUME TO 0730 0800 0830 0845 0915	HOUR 1.5 0.5 0.5 0.3	28 28 28 28 28	Boats WO C Start Ran s Rigge w iron non-e Held Pum 30 bl 3 bal Inc. r At 60 At 72 94 b 110 Balls Tota	Crew rig. TP= swab to 6 ed up BJ n control emulsifer safety m ped acid bls pump ls per bb ate to 5 0 bbls ac 0 bbls pum still in tu I 145 bbl nin= 205	0 psi, C 8360'. N on tubin , corrosi r. neeting. down tubed P= 2 sl. At 47 bpm, prid pump id id pump id id id id id id id id id id id id id i	Supply Crew P = 0 psi of fluid. It is not calcion inhibitation inhibitation in inhibitation in inhibitation in inhibitation inh	Boat Name Boat Name i, Rig up Laid down dize perfs tor, clay s e tested a ressure 2: 2 5.9 bpm id on form ic. to 2800 50 psi @ 6d flush w fs, P=2900 si @ 6.4 b ced w/ 300 6 6.3 bpm	s: s: swab to ta swab 8447' to 8 stabilizer, f stabilizer,	ag FL 8476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid bssure 220 CL H2O F 9 bpm bressure b KCL H2O 850 psi, 5	5% HCI ducer, pumped 00 psi @ P= 2590 preak , Total 1, mn = 21	acid/ dropping 2.8 bpm cosi @ 5 bp	Status: Status: A. 1. Mob/C 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH Lo 9. Lost (10. Drill or 11. N.U. 12. P.U. 13. P.U. 14. R/U 15. Rig 16. Run	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT / N.D. //L.D. BHA //L.D. Pipe ; R/D Repair	summary Daily	Cum. 74 7.5 19.25 0.5 3 13.2 10 16
PERATI TIN FROM 0600 0730 0800 0845	ONS SUME TO 0730 0800 0830 0845 0915	HOUR 1.5 0.5 0.5 0.5 0.5	28 28 28 28 28 28	WO C Start Rans Riggo wiron non-e Heid Pum 30 bi 3 bal Inc. r At 60 At 72 94 b 110 Balls Tota 10 m	Crew rig. TP= swab to 6 ed up BJ n control emulsifie safety m ped acid bls pump ls per bb ate to 5 0 bbls ac 2 bbls ac bls pump still in tu 1 145 bbl nin= 205 l w/ 83 b	0 psi, CC 8360'. N on tubin , corrosi r. neeting. down tu sed P= 2 sl. At 47 bpm, pri id pump ped, ball nped, Psi ubing, or is, P=38 0 psi, 15 bbls KCL	Supply Crew P = 0 psi of fluid. Ling to acid ion inhibitation inhibitation inhibitation in inhibitation	Boat Name Boat Name i, Rig up Laid down dize perfs tor, clay s e tested a ressure 2: 2 5.9 bpm id on form ic. to 2800 50 psi @ 6d flush w fs, P=2900 si @ 6.4 b ced w/ 300 6 6.3 bpm	s: swab to ta swab 8447' to 8 stabilizer, f	ag FL 8476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid bssure 220 CL H2O F 9 bpm bressure b KCL H2O 850 psi, 5	5% HCI ducer, pumped 00 psi @ P= 2590 preak , Total 1, mn = 21	acid/ dropping 2.8 bpm cosi @ 5 bp	Status: Status: A. 1. Mob/C 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH Lo 9. Lost (10. Drill 11. N.U. 12. P.U. 13. P.U. 14. R/U 15. Rig 16. Run 17. Sen	Time S ctivity DeMob ent late lional Work g Pipe ng ogging Circ. Cmt./LOT / N.D. //L.D. BHA //L.D. Pipe ; R/D Repair n Casing	summary Daily	Cum. 74 7.5 19.25 0.5 3 13.2 10 16
PERATITION 0600 0730 0800 0845 0945	ONS SUME TO 0730 0800 0830 0845 0915	HOUR 1.5 0.5 0.5 0.5 0.5	28 28 28 28 28 28 28 28	Boats WO C Start Ran s Rigge w iron non-e Held Pum 30 bal Inc. r At 60 At 72 94 b 110 Balls Tota 10 m Disp SI w	Crew rig. TP= swab to 6 ed up BJ n control emulsifie safety m ped acid bls pump ls per bb ate to 5 0 bbls ac 2 bbls ac 2 bbls pump bbls pump s still in tu 1 145 bbl nin= 2056 I w/ 83 b ell, Rigg	0 psi, C 8360'. N on tubin, corrosi reeting. down tubed P= 20 l. At 47 bpm. prid pump bed, ball nped, P= ubing, or is, P=38 0 psi, 15 bls KCL	Supply Crew CP = 0 psi o fluid. Ling to acidion inhibitory. Pressuration in the control of the	Boat Name Boat Name i, Rig up aid down dize perfs tor, clay s e tested a ressure 29 2 5.9 bpm id on form ic. to 280 50 psi @ ed flush w fs, P=290 si @ 6.4 b ced w/ 30 2 6.3 bpm	s: swab to ta swab 8447' to 8 stabilizer, f	ag FL 8476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid bssure 220 CL H2O F 9 bpm bressure b KCL H2O 850 psi, 5	5% HCI ducer, pumped 00 psi @ P= 2590 preak , Total 1, mn = 21	acid/ dropping 2.8 bpm cosi @ 5 bp	Status: Status: A. 1. Mob/C 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH Lo 9. Lost (10. Drill 11. N.U. 12. P.U. 13. P.U. 14. R/U 15. Rig 16. Run 17. Sen	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT // N.D. //L.D. BHA //L.D. Pipe ; R/D Repair n Casing vice Rig etrack Op.	summary Daily	Cum. 74 7.5 19.25 0.5 3 13.2 10 16
PERATI TIN FROM 0600 0730 0800 0845	ONS SUME TO 0730 0800 0830 0845 0915	HOUR 1.5 0.5 0.5 0.5 0.5	28 28 28 28 28 28	Boats WO C Start Ran s Riggg w iron non-c Held Pum 30 bl 3 bal Inc. r At 60 At 72 94 b 110 Balls Tota 10 m Disp S Sl w	Crew rig. TP= swab to 6 and up BJ n control amulsifie safety m ped acid bls pump sate to 5 0 bbls ac 0 bbls pum s still in tu 1 145 bbl in= 205 in w/ 83 b ell, Rigg ned well	0 psi, C 8360'. N on tubin, corrosi r. eeeting. down to bed P= 2 ol. At 47 bpm, pri id pump bed, ball inped, Psubing, or is, P=38 0 psi, 15 bbs KCL ed down to pit w.	Supply Crew CP = 0 psi o fluid. L ng to acid ion inhibi Pressur- ibing. Pr 882 psi @ bbls, ac essure in ed, P-26 ed, start is on per = 3525 ps verdispla 50 psi @ 5 min= 19	Boat Name Boat Name i, Rig up aid down dize perfs tor, clay s e tested a ressure 2! 2 5.9 bpm id on form ic. to 2800 50 psi @ 64 b ced w/ 30 2 6.3 bpm 990 psi, P	s: s: swab to ta swab 8447' to 8 stabilizer, f stabilizer,	ag FL 3476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid essure 220 CL H2O F 9 bpm pressure t KCL H2O 350 psi, 5 tal of 72 b	5% HCI ducer, pumped 00 psi @ P= 2590 preak , Total 1, mn = 21	acid/ dropping 2.8 bpm cosi @ 5 bp	Status: Status: A 1. Mob/C 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH Lo 9. Lost 0 10. Drill 11. N.U. 12. P.U. 13. P.U. 14. R/U 15. Rig 16. Run 17. Sen 18. Side	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT // N.D. //L.D. BHA //L.D. Pipe ; R/D Repair n Casing vice Rig etrack Op. ck Pipe	summary Daily	Cum. 74 7.5 19.25 0.5 3 13.2 10 16
PERATITION 0600 0730 0800 0845 0945 1045	0830 0830 0845 0945	HOUR 1.5 0.5 0.5 0.5 0.5 0.5 0.5	28 28 28 28 28 28 28 28 28 28	Boats WO C Start Ran s Riggg w iron non-c Held Pum 30 bl 3 bal Inc. r At 60 At 72 94 b 110 Balls Tota 10 m Disp S SI w 3 Ope	Crew rig. TP= swab to 6 and up BJ n controll amulsifie safety m ped acid bls pump sate to 5 0 bbls ac 0 bbls pum s still in tu 1 145 bbl in= 205 in w/ 83 b ell, Rigg ned well nin flow r	0 psi, C 8360'. N on tubin, corrosi r. neeting. down to bed P= 2 ol. At 47 bpm, pri id pump id pump ped, bell pped, bell ubing, o' is, P=38 0 psi, 15 bls KCL ed down to pit w. ate. Red	Supply Crew CP = 0 psi o fluid. L ng to acid ion inhibi Pressur ibing. Pr 882 psi @ bbls, ac essure in ed, P-26 ed, start is on perf = 3525 ps verdispla 50 psi @ 5 min= 19 n BJ. / 1700 ps c 20 bbls	Boat Name Boat Name Boat Name i, Rig up aid down dize perfs tor, clay s e tested a ressure 2! 2.5.9 bpm id on form ic. to 280 5.50 psi @ ed flush w s, P=290 si @ 6.4 b cced w/ 30 g. 6.3 bpm j90 psi, P	rdinates s: s: swab to ta swab 8447' to 8 stabilizer, f stabilizer, f 147 total nation. Pre 0 psi 0 psi 5 bpm. sith 6% KC 0 psi 0 psi 0 bis 6% LISIP= 38 umped tot	ag FL 3476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid essure 220 CL H2O F 9 bpm pressure b KCL H2O 350 psi, 5 tal of 72 b	5% HCl ducer, din pumped 00 psi @ 2= 2590 preak , Total 1 mn = 21 bis of 15	acid/ dropping 2.8 bpm cosi @ 5 bp	Status: Status: A 1. Mob/C 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH L 9. Lost 0 10. Drill 11. N.U 12. P.U 13. P.U 14. R/U 15. Rig 16. Run 17. Sen 18. Side 19. Stud	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT // N.D. //L.D. BHA //L.D. Pipe ; R/D Repair n Casing vice Rig etrack Op. ck Pipe vey	summary Daily	Cum 74 7.5 19.25 0.5 3 13.2 10 16 8.5
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PERATITION 0600 0730 0800 0845 0945 1045 1130 1230	0830 0830 0845 0945 1130 1230	HOUR 1.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0	28 28 28 28 28 28 28 28 28 28 28 28 28 2	Boats WO C Start Ran s Riggg w iron non-c Held Pum 30 bl 3 bal Inc. r At 60 At 72 94 b 110 Balls Tota 10 m Disp S SI w 3 Ope 45 n 3 Pres 3 Riggs	Crew rig. TP= swab to 6 swab to 6 swab to 6 smulsifie safety m ped acid pls pump sate to 5 0 bbls ac 2 bbls pum s still in tu 1 145 bbl nin= 205 i w/ 83 b ell, Rigg ned well nin flow r sseure in ged up sy	0 psi, C 8360'. N on tubin, corrosi r. neeting. down to bed. Psi id pump id pump id pump ped, psi ubing, o is, P=38 0 psi, 15 bls KCL ed down to pit w. ate. Red. c. from wab	Supply Crew CP = 0 psi to fluid. It ing to acid ion inhibitor in the control of t	Boat Name Boat Name i, Rig up aid down dize perfs tor, clay s e tested a ressure 2t 2 5.9 bpm id on form ic. to 2800 550 psi @ ed flush w s, P=2900 si @ 6.4 b cced w/ 30 g 6.3 bpm g90 psi, P si to pit. of load. \$ 40 psi in	rdinates s: s: swab to ta swab 8447' to 8 stabilizer, 1 sull lines to 90 psi @ 5 , 47 total nation. Pre 0 psi 0 psi 0 psi 0 psi 0 psi 15 bpm. ith 6% KC 0 psi @ 4 ppm, had p 0 bbls 6% 1 bls F 1 sumped tot 1 hr. Blew	ag FL 3476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid essure 220 CL H2O F 9 bpm pressure t KCL H2O 350 psi, 5 tal of 72 b build-up r down in	5% HCl ducer, lin pumped 00 psi @ 00 psi of 15 psi psi psi psi psi psi psi psi psi psi	acid/ dropping 2.8 bpm osi @ 5 bp 80 balls 30 psi % HCL	Status: Status: A. 1. Mob/C. 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH Le 9. Lost C. 10. Drill 11. N.U. 12. P.U. 13. P.U. 14. R/U 15. Rig 16. Run 17. Sen 18. Side 19. Stut 20. Sur 21. Trip 22. Tst.	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT ./ N.D/L.D. BHA ./L.D. Pipe j; R/D Repair n Casing vice Rig etrack Op. ck Pipe vey ps . BOPs	summary Daily	Cum. 74 7.5 19.25 0.5 3 13.2 10 16 8.5
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PERATITION 0600 0730 0800 0845 0945 1045 1130 1230 1300	0830 0830 0845 0945 1045 1130 1230 1300	HOUR 1.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0	28 28 28 28 28 28 28 28 28 28 28 28 28 2	Boats WO C Start Ran s Riggg w iron non-c Held Pum 30 bl 3 bal Inc. r At 60 At 72 94 b 110 Balls Tota 10 m Disp S SI w B Ope 45 m Riggs S Wat S Swat	Crew rig. TP= swab to 6 and up BJ n control amulsifie safety m ped acid bls pump ls per bb rate to 5 0 bbls ac 0 bbls pump bbl	0 psi, C 8360'. N on tubin, corrosi r. neeting. down to bed P= 2 ol. At 47 bpm, pri id pump id pump ped, bell pped, Psi ubing, or is, P=38 0 psi, 15 bls KCL ed down to pit w. ate. Rec c. from wab b runs. F w to pit I	Supply Crew CP = 0 psi of fluid. It ing to acid ion inhibit Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding	Boat Name Boat Name Boat Name i. Rig up aid down dize perfs tor, clay s e tested a ressure 2: 2 5.9 bpm id on form ic. to 280 550 psi @ 60 flush w is, P=290 is i @ 6.4 b ced w/ 30 is 6.3 bpm ig of load. S is 40 psi in bls of 6% KCL cont chain on ast run. L/	rdinates s: s: swab to ta swab 8447' to 8 stabilizer, 1 s	ag FL 3476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid essure 220 CL H2O F 9 bpm pressure t KCL H2O 350 psi, 5 tal of 72 b build-up r down in 0. Swabbe	5% HCl ducer, lin pumped 00 psi @ 00 psi work 00 psi	acid/ dropping 2.8 bpm osi @ 5 bp 80 balls 30 psi HCL	Status: Status: Status: A 1. Mob/L 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH Le 9. Lost (10. Drill 11. N.U. 12. P.U. 13. P.U. 15. Rig 16. Run 17. Sen 18. Side 19. Stut 20. Sur 21. Trip 22. Tst. 23. UR/ 24. W.C 25. War 26. We 27. WC 28. Oth	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT // N.D. //L.D. BHA //L.D. Pipe in Casing vice Rig etrack Op. ck Pipe vey ss . BOPs //HO D.W. sh & Ream il Control DC ner	SURE Summary Daily	Cum. 74 7.5 19.25 0.5 3 13.2 10 16 8.5
PERATITION 0600 0730 0800 0845 0945 1045 1130 1230 1300	0830 0830 0845 0945 1045 1130 1230 1300	HOUR 1.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0	28 28 28 28 28 28 28 28 28 28 28 28 28 2	Boats WO C Start Ran s Riggg w iron non-c Held Pum 30 bl 3 bal Inc. r At 60 At 72 94 b 110 Balls Tota 10 m Disp S SI w B Ope 45 m Riggs S Wat S Swat	Crew rig. TP= swab to 6 and up BJ n control amulsifie safety m ped acid bls pump ls per bb rate to 5 0 bbls ac 0 bbls pump bbl	0 psi, C 8360'. N on tubin, corrosi r. neeting. down to bed P= 2 ol. At 47 bpm, pri id pump id pump ped, bell pped, Psi ubing, or is, P=38 0 psi, 15 bls KCL ed down to pit w. ate. Rec c. from wab b runs. F w to pit I	Supply Crew CP = 0 psi of fluid. It ing to acid ion inhibit Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding	Boat Name Boat Name Boat Name i. Rig up aid down dize perfs tor, clay s e tested a ressure 2: 2 5.9 bpm id on form ic. to 280 550 psi @ 60 flush w is, P=290 is i @ 6.4 b ced w/ 30 is 6.3 bpm ig of load. S is 40 psi in bls of 6% KCL cont chain on ast run. L/	rdinates s: s: swab to ta swab 8447' to 8 stabilizer, 1 s	ag FL 3476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid essure 220 CL H2O F 9 bpm pressure t KCL H2O 350 psi, 5 tal of 72 b build-up r down in 0. Swabbe	5% HCl ducer, lin pumped 00 psi @ 00 psi work 00 psi	acid/ dropping 2.8 bpm osi @ 5 bp 80 balls 30 psi HCL	Status: Status: Status: Status: Status: A. A. 1. Mob/L 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH L. 9. Lost 0. 10. Drill 10. T11. N.U. 13. P.U. 14. R/U 15. Rig 16. Run 17. Sen 18. Side 19. Stud 20. Sur 21. Trip 22. Tst. 23. UR/ 24. W.C 25. Wa: 26. We 27. WC	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT // N.D. //L.D. BHA //L.D. Pipe in Casing vice Rig etrack Op. ck Pipe vey ss . BOPs //HO D.W. sh & Ream il Control DC ner	summary Daily	Cum. 74 7.5 19.25 0.5 3 13.2 10 16 8.5
PERATITION 0600 0730 0800 0845 0945 1045 1130 1230 1300 1530	0830 0830 0845 0945 1045 1130 1230 1300	HOUR 1.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0	28 28 28 28 28 28 28 28 28 28 22 22 21 21	Boats WO C Start Ran s Riggg w iron non-c Held Pum 30 bl 3 bal Inc. r At 60 At 72 94 b 110 Balls Tota 10 m Disp S SI w B Ope 45 m Riggs S Wat S Swat	Crew rig. TP= swab to 6 and up BJ n control amulsifie safety m ped acid bls pump ls per bb rate to 5 0 bbls ac 0 bbls pump bbl	0 psi, C 8360'. N on tubin, corrosi r. heeting. down to bed. P= 10 psi, 15 bls KCL hed down to pit when to pit when to pit when to pit when to pit when to pit on to pit. On FL = 55 r, Rec 76	Supply Crew Crew P = 0 psi o fluid. I ing to acidion inhibit Pressure in ing to acidion inhibit Pressure in ing to acidion inhibit Pressure in ing to acidion inhibit Pressure in ing to acidion inhibit Pressure in ing to acidion inhibit Ballor in ing to acidion inhibit Ballor in ing to acidion inhibit Ballor in ing to acidion inhibit Ballor in ing to acidion inhibit Ballor in ing to acidion inhibit Ballor in ing to acidion inhibit Ballor in in inhibit Ballor in inhibit Ballor in inhibit Ballor in inhibit Ballor inhibit	Boat Name Boat Name Boat Name i, Rig up aid down dize perfs tor, clay s e tested a ressure 2: 2 5.9 bpm id on form ic. to 2800 550 psi @ ed flush w fs, P=2900 si @ 6.4 b ced w/ 30 2 6.3 bpm 990 psi, P si to pit. of load. \$ 4.40 psi in bis of 6% KCL cont chain on ast run. L/ 9 bbls load	rdinates s: s: swab to ta swab 8447' to 8 stabilizer, 1 s	ag FL 3476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid essure 220 CL H2O F 9 bpm pressure t KCL H2O 350 psi, 5 tal of 72 b build-up r down in 0. Swabbe	5% HCl ducer, lin pumped 00 psi @ 00 psi work 00 psi	acid/ dropping 2.8 bpm bis @ 5 bp Bo balls 30 psi HCL	Status: Status: Status: Status: Status: 1. Mob/C 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH L. 0. Drill 10. Drill 11. N.U. 12. P.U. 13. P.U. 14. R/U 15. Rig 16. Run 17. Sen 18. Side 19. Stut 20. Sur 21. Trip 22. Tst. 23. UR/ 24. W.C 25. Wa: 26. We 27. WC 28. Oth Tota	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT ./ N.D/L.D. Pipe ; R/D Repair n Casing vice Rig etrack Op. ck Pipe vey bs BOPs //HO D.W. sh & Ream ll Control DC ler al	summary Daily Daily 12.5	Cum. 74 7.5 19.25 0.5 3 13.2: 10 16 8.5 29.7
PERATITION 0600 0730 0800 0845 0945 1045 1130 1230 1530	0845 0945 1045 1130 1830	HOUR 1.5 0.5	28 28 28 28 28 28 28 28 28 28 28 28 28 2	Boats WO C Start Ran s Riggg w iron non-c Held Pum 30 bl 3 bal Inc. r At 60 At 72 94 b 110 Balls Tota 10 m Disp S SI w B Ope 45 m Riggs S Wat S Swat	Crew rig. TP= swab to 6 and up BJ n control amulsifie safety m ped acid pls pump ls per bb rate to 5 0 bbls ac 0 bbls pump bbls pump bbls pump s still in tu 1 145 bbl nin= 205 il w/ 83 b ell, Rigg ned well nin flow r sseure in ged up su le 5 swal lched flor day al for day	0 psi, C 8360'. N on tubin , corrosi r. eeting. down to eet P= 2 ol. At 47 bpm, produced psi id pump ped, ball ped, ped, ball ped, bed, ball ped, ball ped, ball ped, bed, bed, bed, bed, bed, bed, bed, b	Supply Crew CP = 0 psi of fluid. It ing to acid ion inhibit Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding. Pressur. Ding	Boat Name Boat Name Boat Name i, Rig up aid down dize perfs tor, clay s e tested a ressure 2: 2 5.9 bpm id on form ic. to 2800 550 psi @ ed flush w fs, P=2900 si @ 6.4 b ced w/ 30 2 6.3 bpm 990 psi, P si to pit. of load. \$ 4.40 psi in bis of 6% KCL cont chain on ast run. L/ 9 bbls load	rdinates s: s: swab to ta swab 8447' to 8 stabilizer, 1 s	ag FL 3476' w/ 1 friction rec 6000 psi 5.9 bbls/m bbls acid essure 220 CL H2O F 9 bpm pressure t KCL H2O 350 psi, 5 tal of 72 b build-up r down in 0. Swabbe	5% HCl ducer, lin pumped 00 psi @ 00 psi work 00 psi	acid/ dropping 2.8 bpm bis @ 5 bp Bo balls 30 psi HCL	Status: Status: Status: 1. Mob/C 2. Ceme 3. Circul 4. Direct 5. Drillin 6. Drive 7. Fishir 8. OH Lo 9. Lost (C 10. Drill 11. N.U. 12. P.U. 13. P.U. 14. R/U 15. Rig 16. Run 17. Sen 18. Side 19. Stut 20. Sun 21. Trip 22. Tst. 23. UR/ 24. W.C 25. Wa 26. We 27. WC 28. Oth Tota	Time S ctivity DeMob ent late tional Work g Pipe ng ogging Circ. Cmt./LOT / N.D. //L.D. BHA //L.D. Pipe ; R/D Repair h Casing vice Rig etrack Op. ck Pipe vey bs BOPs //HO D.W. ssh & Ream ll Control DC ner al	SURE Summary Daily	Cum. 74 7.5 19.25 19.25 10 16 8.5



屚	Tec Ser	hnolog vices	y		[omp			n epor	t				
		lock, Lease nompson - S					Contracted Energy	t Rig	DOL 9	DFC 18	Date or	Location 8/2004		o. Date 3, 2004		ort Date 27, 2004
MD 8,642	TVD 8,642		otage BTD	AF	E No.		AFE Am \$350,0		Auth. TD	8,700'			Norm Wood	ative	1 000	21, 2004
		Prese Prepare to	ent Opera				Rig Pho	ne:		505-330-3	402	Toolous	her			- 112
Curron	Wastha						<u> </u>					<u>. </u>	Allen Cerma	CK		
Wind:	t Weather	Yes	S Visit	o <u>LC</u> 5	NPDES 0 Sample			e on Loc.: perator	<u> </u>	BOP Tes	t Date 10/18/200	4	RKB	RIG ELE	VATIONS 15	ñ
Seas: Sky:		Incs?	Y∈	o Pass?	Yes	□No		ntractor ervice		Next BO	P Test Date)	Water Dept	th		ft
CASING	RECOR Casing S		I OD	Wt.	Grade	Conn.		s. Run	1 6:20							ft
		ung		VVI.			JIS	s. Run	MD	g Depth TVD	MD	Tool TVD	MW when Run	Pres	LOT EMW	Leakoff?
Conduct Surface			16" 8 5/8'		LP J55	STC		12	100' 505'	100' 505'	 		Air			
Producti	on		5 1/2'	17	L80	LTC	-	196	8,690'	8,690'	5,512'	5,512'	8.9			
_			-	-	ļ											
BIT, WE	IGHT, SP	EED AND	HYDRAL	ILICS RE	CORD											<u> </u>
BIT No	Size	Bit Ty	pe and acturer		Number		Jets	Don't to	Total			Ι_	Avg		Grade	
				Geriai	rumber		7013	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
Bit Re	l marks:	<u> </u>		<u> </u>		<u> </u>	Cum. I	ROT. Hrs	PL	J Wt	SO	Wt	ROT	Wt_	To	orque
Pump	T .		T_		T	<u> </u>	l	7		T		<u> </u>		Slow	Pump Pre	essures
No.	Strok	e X Liner	Output gps	SPM	GPM	Pre	essure	JV	Pb	DC	AV I DP	Speed 1/4	SPM			Pump #3
2			Ţ-	T								1/2 3/4				
BHA Length:	131.78	Descr	iption:	1								3/4	L	L	L	
congui.	101.70	Descr	iption.	1												
MUD DA	TA								···							
PIT	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	мвт	рН	Pm	Pf/Mf
			İ					<u> </u>								
	Ch	(a)			Smpl Temp	F.L.	Ob. d		r							
PIT	Cit	lorides		a++	теттр	Temp	#1	Screens #2	Ho Desand		/lud Engine	er	- *	N	Aud Compa	any
	<u>. </u>		1				#3	#4	Desilt	Mud CI	Daily Cost	ike Welk	er	Cı	Anchor umulative (Cost
	ONAL SL	JRVEYS													\$7,031	
M	ID	TV	/D	ANO	GLE	Dire	ection	Coord	linates	V	/S	DL		CLOS	URE	***************************************
OPERAT	IONS SU	MMARY														
TII FROM	ME TO	HOUR	Time Code	Boats:	-			oat Name:					Status:			
0600	0730	1.5	28	WO Cre									Status:	Time Su	ımmarv	
0730	0800	0.5	28		location			0 psi, An	nulus = 0	psi			Activ	rity	Daily	Cum.
0800	1300	5.0	28	TIH with	swab. F	L= 350	0'. Swat	bed back					 Mob/Del Cement 			7.5
				Made 6 Swabbe	runs. FL d a total	.=8360', of 20 b	, @ seati bis.	ing nipple.	Well on v	/acuum. I	Made 2 sh	ort runs/	3. Circulate 4. Direction			19.25
1300 1500	1500 1700	2.0 2.0	28 28	Wait 30	mins be	tween s	wab run	s. Well or					5. Drilling			
1700	1830	1.5	28	Made 1	swab rui	n. No flu	uid. Vacu	dry runs. um has n	ninimized.	Made 2	short runs		 Drive Pip Fishing 	е		
				150' to 2 Well is d	00' over	seating	g nipple.	Could no	t recover	any fluid	on swab r	un	8. OH Logg			
				Torat red	covered	today=	20 bbls,	11 bbls to	recover				9. Lost Circ 10. Drill Cm			
				SDFN @	2 1830 h	rs			<u> </u>				11. N.U./ N. 12. P.U./L.C	D.		0.5
													13. P.U./L.C). Pipe		3 13.25
				Will acid	ize tomo	rrow at	0800 hrs	s					14. R/U; R/I 15. Rig Rep			10 16
													16. Run Cas	sing		8.5
						·							17. Service 18. Sidetrac			
													19. Stuck Pi			
							· · · · · · · · · · · · · · · · · · ·						20. Survey 21. Trips			29.75
													22. Tst. BOF	Ps .		
													23. UR/HO 24. W.O.W.			0.5
													25. Wash & 26. Well Cor			
								-					7. WOC	ILFOI		
Tetal								 -					28. Other Total		12.5 12.5	50.5 232.75
Total H	nure f	12.5												- 1	14.0	232.75

Bulk Material on Board Cement: Barite: Previous Cost
Daily Cost
Cum. Cost

\$327,252 \$7,880 \$335,132



1 1 1	DCI VI	CCS		J. J. J. J. J. J. J. J. J. J. J. J. J. J					
	Bloc	k, Lease and Well N	<u>o.</u>	Contract Rig	DOL	DFC	Date on Location	Comp. Date	Report Date
	N. Thor	mpson - State MSC	#16-1	Leede Energy #692	12	21	10/18/2004	Oct 18, 2004	Oct 30, 2004
MD	TVD	Footage	AFE No.	AFE Amount	Auth. TD,		Compan	v Representative	
8,642	8,642	PBTD		\$350,000		8,700'		Norm Woods	
		Present Operati	on	Rig Phone:	5	05-330-34	02 <u>Toolpus</u>	ner	
	P	repare to set retriev	able BP	Rig Fax:				Allen Cermack	

	Pro	epare to se	et retrieva	ble BP			Rig Fax:					Α	ilen Cermac	k		
Current W	/eather	MMS \	/isit		NPDES		People	on Loc.:		BOP Test	Date			RIG ELEV	ATIONS	
Wind:		Yes	⊿ No	LC50	Sample I	<u>Date</u>		rator			0/18/2004		RKB			ft
eas:		Incs?	Yes		1 32	T No.		ractor		Next BOP	Test Date		Water Depth	<u> </u>		ft
Sky:	ECORD		U No	Pass?	Yes	□No	361	vice		<u> </u>			KKD-OH			`
	sing Strin	9	OD	Wt.	Grade	Conn.	Jts.	Run	Setting MD	Depth TVD	DV 1 MD	ool TVD	MW when Run	Pres	LOT EMW	Leakoff?
onductor			16" 8 5/8"	24	LP J55	W		12	100' 505'	100' 505'			Air			
urface roduction			5 1/2"	17	L80	LTC		96	8,690'	8 690'	5,512'	5,512'	8.9			
										 						
	HT, SPE	Bit Type		ICS REC	CORD			1 .	Total		<u> </u>		Avg	1	Grade	
BIT No	Size	Manufa		Serial	Number	,	lets	Depth In		Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
Bit Rem	narks:						Cum. F	OT. Hrs	PL	Wt	so	Wt	ROT	Wt	Tor	que
P11.1.211														. Class	Pump Pres	CUEOC
Pump No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure	JV	РЬ		V	Speed	SPM	Pump #1	Pump #2	Pump #3
	Suone		gps							DC	DP	1/4				
1												1/2 3/4	 			
2 BHA			L	L	I	<u> </u>		L	<u> </u>	1	1	3/4	L	1		
	131.78'	Descri	ption:													
MUD DAT	Δ															
	WT.	VIS	PV	YP	GELS	WL	нтнр	CAKE	SLDS %	LGS %	OIL %	SD %	мвт	рН	Pm	Pf/Mf
PIT																
			ļ	L	L	L	<u> </u>		<u> </u>	.1	<u> </u>	J	1	1		
			T		Smpl	F.L.	Ī		T						And Common	
317	Chlo	rides	С	a++	Temp	Temp	Shaker #1	Screens #2	Desand		Nud Engine	er			Aud Compai	ily
PIT .			 		+				Dodgiid			Mike Well	cer		Anchor	
							#3	#4	Desilt	Mud CI	Daily Cos	t		Ci	umulative C \$7,031	ost
DIRECTIO	ONAL SU	RVEYS							<u> </u>		<u> </u>			·		
M		TV	D	1A	IGLE	Di	rection	Coor	rdinates	,	vs	DL		CLOS	SURE	- MANAGEMENT
				 		 			<u> </u>	+	 	 				
OPERAT	IONS SU	MARY				·										
	ME	HOUR	Time Code	Boats:				Boat Name Boat Name				-	Status: Status:			
FROM 0600	TO 0730	HOUR 1.5	28	wo c	rews		Olow L	Joan Hame	·					Time S	ummary	
0730	0845	1.3	15	Trying	to start i	ig. En	gine final	ly started	@ 0845	hrs				tivity	Daily	Cum.
					0 psi, Cl								1. Mob/De			7.5
0845	0945	1.0	28				wab. FL		u iron nol	arad fluid	no omule	ion	Cemen Circula		 	19.25
0945	1130	10	28					s of neav	y iron coi	ored fluid,	no emus	ion		onal Work	 	10.20
1130	1230	1.8	28	Swabi	bed fluid	to seat	ina nipple	e. No gas	show. Ma	ade a run i	recovered	3 BBIs	5. Drilling		İ	
				FL= 7	200'								6. Drive P	Pipe		ļ
						making	2 - 600 1	t short ru	ns to crea	ted vacuu	m on form	nation	7. Fishing		-	
4000	4000			Rec. 1	$\overline{}$	7000	D=						8. OH Los 9. Lost C			+
1230 1330	1330	1.0	28		n - FL @		Dry run uid build-	· ID			<u> </u>		10. Drill C		+	
1430	1530	1.0 1.0	28 28						id. No sho	ow of gas			11. N.U./			0.5
		1.0	1 -	Made	10th run	. Dry	Rec 21 t	bls for da	ıy.				12. P.U./l	.D. BHA		3
1530	1600	0.5	15	Shut	down to i	nstall c	hain on d	lrum drive)				13. P.U./l		<u> </u>	13.25
1600	1815	2.3	28					H standin	g back tu	bing			14. R/U; I 15. Rig R		1.75	10 17.75
1815	1830		20	LD pa	cker. Sh	ut well	ın.						15. Rig R 16. Run (1./5	8.5
1015	1030	0.3	28	SUFN									17. Servi			
	<u> </u>		1	Total	fluid 155	bbls, F	ecovere	d 145 bbl:	s, BTR =	10 bbls			18. Sidet	rack Op.		
													19. Stuck			↓
				Jack S	Stanley o	alled @	0 1430 hr	rs.to perfo	orate up h	ole @ 820	6' to 8222	<u>'</u>	20. Surve			29.75
	<u> </u>												21. Trips 22. Tst. B		-	29.13
			 	+					•							4
			<u> </u>												 	
													23. UR/H 24. W.O.	10		0.5
													23. UR/H 24. W.O.	10		0.5
													23. UR/H 24. W.O. 25. Wash 26. Well	W. n & Ream Control		0.5
													23. UR/H 24. W.O. 25. Wash 26. Well 27. WOO	W. N. Ream Control		
													23. UR/H 24. W.O. 25. Wash 26. Well 27. WOO 28. Othe	W. N. Ream Control	10.75	86.2
Total	Houre	125											23. UR/H 24. W.O. 25. Wash 26. Well 27. WOO	W. N. Ream Control	10.75	86.25
	Hours	12.5	Fuel	Usage			Material o	n Board					23. UR/H 24. W.O. 25. Wash 26. Well 27. WOC 28. Othe Total	W. h & Ream Control	12.5 14,841	86.25
		12.5 Daily		Usage	Bbls Bbls	Bulk Ceme	ent:	n Board		SX SX		Previou Daily C	23. UR/H 24. W.O. 25. Wash 26. Well 27. WOC 28. Other Total	W. n & Ream Control ; r	12.5	0.5 86.25 270.2

Status Cal, Cab & Minan<mark>a</mark>

PPI
Technology
Services

MSC Exploration

Daily Completion Report

Contract Rig DOL DFC Date on Location Comp. Date Report Date 10/18/2004 Oct 28: 2004 Oct 29: 2004

MD		N. Thompson - State MSC #16-1 TVD Footage AFE No.					AFE Amo	-	11 Auth. TD.	20	10/1	8/2004		, 2004	Oct :	29, 2004
NIO.		1	tage	AF	<u> </u>		\$350,00		Aum. 1D.	8,700'		Compan	Norm Wood			
	<u>'</u>	Prese	nt Operat	ion		•	Rig Phor	ne:	5	05-330-34	102	Toolpus				
					·		Rig Fax:	-				<u> </u>	Allen Cerma	CK		
_	Weather	4	Visit		NPDES		A	on Loc.:		BOP Tes				RIG ELE	VATIONS	
Wind: Seas:		Yes Incs?	✓ No) Şample	Date	<u> </u>	erator tractor	 	Next BO	10/18/200 Test Dat		RKB Water Dept	h	15	ft
Sky:				Pass?	Yes	□No		rvice	<u> </u>	TIOXI DOI	1000 00		RKB-CHF		···	ft
	RECOR		I OD	Wt.	Cando	LConn	1 16-	Dun	L C-W-	- D4b	T 65	7	1 5 0001			
	Casing St	nng	00	VVI.	Grade	Conn.	Jts	. Run	MD	Depth TVD	MD	Tool	MW when Run	Pres	LOT EMW	Leakoff?
Conduct	or		16"		LP	W			100'	100'						
Surface Producti	on		8 5/8" 5 1/2"	17	J55 L80	STC		96	505' 8,690'	505' 8,690'	5,512'	5,512'	Air 8.9		ļ	
	-					<u> </u>										
ļ			<u> </u>						-			 	<u> </u>		1	
DIT ME	ICUT OF	EED AND I	IVPD4(II	100 55												1.
BIT, WE	IGHT, SP	Bit Typ		LICS RE	JUKU		, ,	1	Total	1	T	T	Avg	T	Grade	
No	Size	Manufa	acturer	Serial	Number	ر	ets	Depth in	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
	·	 				ļ						 	 			
Bit Re	marks:						Cum. F	ROT. Hrs	PU	Wt	S) Wt	RO1	Wt	To	orque
Pump	T		1	1	r		<u> </u>	ľ			<u> </u>			Slow	Pump Pre	Seurae
No.	Strok	e X Liner	Output	SPM	GPM	Pre	ssure	JV	РЬ		AV .	Speed	SPM	Pump #1	Pump #2	Pump #3
1	 	· · · · · · · · · · · · · · · · · · ·	gps						**	DC	DP	1/4	 	.	ļ	
2												3/4	<u> </u>	<u> </u>	<u> </u>	·
BHA Length:	131.78'	Descri	ntion:	,												
Longui.	131.70	Descri	puon.						·		-	· · · · · · · · · · · · · · · · · · ·				
MUD DA	4 A															
MUD DA	WT.	VIS	PV	YP	GELS	WL	нтнр	CAKE	SLDS %	LGS %	OIL %	SD %	мот	-11	T	D(1) (
PIT	'''	VIC			GELS	VVL	nine	CARE	SLDS 76	103 %	OIL %	SD %	MBT	pH	Pm	Pf/Mf
	<u></u>															1
	T		Τ		Smpl	F.L.			· · · · · ·				1	ľ ·		
PIT	Chi	orides	Ca	++	Temp	Temp		Screens	Но		lud Engin	eer ree		N	Aud Compa	any
	 						#1	#2	Desand	Cent.	-	Mike Welk	er		Anchor	
							#3	#4	Desilt	Mud Cl	Daily Cos			C	umulative (Cost
DIRECTI	ONAL SU	IRVEYS						<u> </u>		<u></u>	<u> </u>	<u> </u>	1		\$7,031	-
N	1D	TV.	D	AN	GLE	Dire	ection	Coord	linates	V	/S	DL		CLOS	SURE	
		 			· 						<u> </u>	<u> </u>				
	IONS SU	MMARY	T =											-	***********	
FROM	ME TO	HOUR	Time Code	Boats:				oat Name: oat Name:				-	Status: Status:			
0600	0730	1.5	28	WO Cre										Time St	ummary	
0730 0745	0745 0900	0.3	28					i, RU to s					Acti		Daily	Cum.
0140	0300	1.3	28						0' rise ove water. Ins		u flags		 Mob/Del Cement 			74
0900	1000	1.0	28						. 16 bbls o				3. Circulate			7.5 19.25
				FL= 650	0' @ 10	000hrs v	vell not g	asing					4. Direction			10.20
1000	1100 1200	1.0	28					s. FL= 72	00'				5. Drilling			
1200	1300	1.0	28 28		hr for f			3 hble ac	id water \	Mall not c	noina		6. Drive Pip	oe	ļ	-
1300	1400	1.0	28	Made s	wab run.	FL=79	00', Rec	2 bbls ac	id water \	Well not o	jasino		7. Fishing 8. OH Logo	ina		
1400	1600	2.0	28	SI well 2	hr for f	luid buil	d-up. W	ater from	last swab	run had e	emulsion	on	9. Lost Circ			
1600	1800	2.0	28				s, 1/2" q		ole No. 1 -	1			10. Drill Cn			
1800	1830	0.5	28				bbls toda		ple. No inf	iux of gas	s or fluid		11. N.U./ N 12. P.U./L.I			0.5
								ure gage.	SDFN				13. P.U./L.I			13.25
				Dec 15			. 1. 1						14. R/U; R/	D		10
				KBC 124	DDIS IO	ad. 31 i	obis load	to recove	or				15. Rig Rep			16
									·····	····			16. Run Ca 17. Service			8.5
													18. Sidetra			
						• • • • • • • • • • • • • • • • • • • •							19. Stuck P	ipe		
										······································			20. Survey 21. Trips			20.75
													21. Trips 22. Tst. BO	Ps		29.75
			—										23. UR/HO			
			<u> </u>										24. W.O.W.			0.5
													25. Wash &			
													26. Well Co 27. WOC	HIFOI		
													28. Other		12.5	75.5
Total	lours	12.5	<u> </u>										Total		12.5	257.75
Rig Dov	vntime		Fuel Us				erial on B	oard				Previous (Cost	\$409	404	
Daily Cum.		Daily Cum.	801		3bls (Cement: Barite:				SX .		Daily Cos		\$5,4	137	
			001			–aılı∀.				SX .		Cum. Cos	•	\$414		

Car Colling College College

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	PPI
	Technology
1	Services

	Servi	ces	U	ally Comp	letio	n Ke	eport		
		k, Lease and Well N	Q.,	Contract Rig	DOL	DFC	Date on Location	Comp. Date	Report Date
1	N. Thor	npson - State MSC	‡16-1	Leede Energy #692	14	23	10/18/2004	Oct 18, 2004	Nov 1, 2004
MD	TVD	Footage	AFE No.	AFE Amount	Auth. TD.			Representative	
8.393	8.393	PBTD	i	\$350,000		8,700		Norm Woods	
		Present Operati	on	Rig Phone:	5	05-330-340			·
		Prepare to swa	b	Rig Fax:			,	Allen Cermack	
		<u> </u>							
Current	Weather	MMS Visit	NPDES	People on Loc.:		BOP Test	Date	RIG ELE	VATIONS
Wind	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Yes / No	LC50 Sample	Date Operator			10/18/2004	RKB	15 ft

Comparison				t Operation re to swat				Rig Phone Rig Fax:	9:	50	5-330-340	2	Toolpush A	<u>er</u> \llen Cermacl	(
Windle	Current V	Vootbor	MMS	Vieit		NPDES		People	on Loc.:		BOP Test	Date		<u> </u>	RIG ELEV	ATIONS	
Same		veamer					Date				1	0/18/2004		RKB			
Committee Comm											Next BOP	Test Date					
Care Company				☐ No	Pass?	Yes	□No	Ser	vice					RKB-CHF			π
Mode No.				00	VA/I	Grade	Conn	Jts.	Run	Setting	Depth	DV	Fool .	MW when		LOT	
Sept	C.	asıng Sırı	ng	55	771.	Giade	Oom.	0.0 .				MD	TVD	Run	Pres	EMW	Leakoff?
Charles	onductor													Air I			
Part Part							-					5.512'	5.512'				
Str. Str.	roduction	1		5 1/2"	-17	LOU	LIC		30	0,000	0,000	0,0.2					
Str. Str.														 			
Str. Str.				ļ													
State Stat	IT WEIG	SHT. SPE	ED AND F	YDRAUL	ICS REC	ORD											
No Sup Machine Sup Machine Sup Sup Common Sup		,													Tooth		Gage
Part	No	Size	Manufa	cturer	Serial	Number	J	ets	Depth In	Footage	HIS	WOB	Rpm	Kor	10011	Dodning	
Part					<u> </u>												
Choldes	Bit Rer	narks:	L					Cum. F	ROT. Hrs	PU	Wt	so	Wt	ROT	Wt	Tor	rque
No. Sycke X Lines						T .		<u> </u>	1		Τ	<u> </u>		+	Slow	Pump Pres	ssures
	' '	Strok	a X Liner	Output	SPM	GPM	Pre	ssure	JV	Pb				SPM	Pump #1	Pump #2	Pump #3
Note	,,,,	Oll On									DC	DP		1		<u> </u>	
### STATE Description:									<u> </u>			 		 	 		
MUD DATA					<u> </u>	<u></u>	L		<u> </u>	L		ــــــــــــــــــــــــــــــــــ					
MUD DATA		131 78'	Descr	iption:													
WT	Longan	101															
WT															***		
PT	MUD DA		1	1 BV	l vp	CELE	10/1	нтив	CAKE	SLDS %	IGS %	T OIL %	SD %	мвт	pН	Pm	Pf/Mf
Chiefdes	DIT	WT.	VIS	PV	1 19	GELS	VVL	111111	ÇARE	0220 70	100.0	1					
Charles	PII		 	+		†								1	<u> </u>		<u> </u>
Charles		<u> </u>															
Process				\top				Shake	r Screens	н	ours I	Mud Engin	eer	i		Aud Compa	any
Mail Desit Mud Ci Daily Cost Cumulative Cost	PIT	- Cn	lorides	+	атт	Tomp	1										
Big Big														ker	 		Cost
No								#3	#4	Desilt	Mud Ci	Daily Cos	3t 1		 		3030
No	DIDECT	ONAL S	IDVEVS						<u> </u>	<u> </u>							
Time				VD	Al	NGLE	Di	rection	Coor	dinates		vs	DL	Ţ	CLO	SURE	
Time	-											+	┼	 			
Time			10404 DV							ــــــــــــــــــــــــــــــــــــــ	<u> </u>						
FROM TO HOUR Code Crew Boat Name: Seature. Time Summary Activity Daily Cum.			JAMMAKT	Time	Boats:												
Activity Daily Cum			HOUR	Code				Crew	Boat Name	2				Status:	Time C	ummon/	
1. Mob/DeMob	0600	0600		_	SD for	r Sunday								$ A_{\alpha}$			Cum.
		.	ļ												The state of the s	1	
3. Circulate 19.25 4. Directional Work 5. Drilling 6. Drive Pipe 7. Fishing 8. OH Logging 9. Lost Circ. 10. Drill Cmt./LOT 11. N.U./ N.D. 12. P.U./L.D. BHA 3 13. P.U./L.D. Pipe 13.25 14. RU; RD 10 15. Rig Repair 18.75 16. Run Casing 8.5 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 19. Stuck Pipe 21. Trips 29.75 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0.5 25. Wash & Ream 26. Well Control 27. WCC 28. Other 9.5 Total 1280 Total 1280 Total 1280 Total 1280 Total 1280 Total 1280 Total 1280 Total 1280 Total 1280 Total 1280 Total 1280 Total 15. Star 15.		-			1												7.5
S. Drilling S. Drive Pipe T. Fishing S. Drive Pipe T. Fishing S. Ort Pipe T. Fishing S. Ort Pipe T. Fishing S. Ort Pipe T. Fishing S. Ort Logging S. Ort Circ. T. Drive Pipe Pipe Pipe Pipe Pipe Pipe Pipe Pip		├		+	+									3. Circula	te		19.25
		 		-}	+-									4. Direction	onal Work		
	 	 	 	+-	1											.	
B. OH Logging 9, Lost Circ. 10, Drill Cmt/LOT 11, N.U./ N.D. 0.5 12, P.U./L.D. BHA 3 13, P.U./L.D. Pipe 13,25 14, RVI; R/D 10 15, Rig Repair 18,75 16, Run Casing 8,5 17, Service Rig 18, Sidetrack Op. 19, Stuck Pipe 20, Survey 21, Trips 29,75 22, Tst. BOPs 23, UR/HO 24, W.O.W. 0.5 25, Wash & Ream 26, Well Control 27, WOC 28, Other 95 Total 10 280 Total Hours Total Hours Fuel Usage Bulk Material on Board Previous Cost \$434,406 1968		†															
9. Lost Circ. 10. Drill Cmt./LOT 11. N.U./ N.D. 0.5 12. P.U./L.D. BHA 3 13. P.U./L.D. BHA 3 13. P.U./L.D. Pipe 13.25 14. R/U; R/D 10 15. Rig Repair 18.75 16. Run Casing 8.5 17. Service Rig 8.5 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 29.75 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0.5 25. Wash & Ream 26. Well Control 27. WOC 28. Other 95 Total 280 Total 280 Daily Daily Bbls Cement: 8x Daily Cest \$434,406 Daily Cest \$434,406 Daily Cest \$434,406 Daily Cest \$434,406 Daily Cest \$434,406 Daily Cest \$434,406 Daily Cest \$436,606 Daily Daily Bbls Cement: 8x Daily Cest \$436,606 Daily Cest Daily Cest																+	
10. Drill Cmt/LOT 11. Nu/ N.D. 0.5 12. P.U/L.D. BHA 3 13. P.U/L.D. Pipe 13.25 14. R/U; R/D 10 15. Rig Repair 18.75 16. Run Casing 8.5 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 29.75 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0.5 25. Wash & Ream 26. Well Control 27. WOC 28. Other 95 Total 0.50 5436.364 5646.364					1											+	+
11. N.U./ N.D. 0.5 12. P.U./L.D. BHA 3 13. P.U./L.D. Pipe 13.25 14. R/U; R/D 10 15. Rig Repair 18.75 16. Run Casing 8.5 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 29.75 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0.5 25. Wash & Ream 26. Well Control 27. WOC 28. Other 95 70tal Hours 70tal H			<u> </u>	-	4											+	
12 P.U./L.D. BHA 3 13, P.U./L.D. Pipe 13,25 14, R/U; R/D 10 15, Rig Repair 18,75 16, Run Casing 8,5 17, Service Rig 18, Sidefrack Op. 19, Stuck Pipe 20, Survey 21, Trips 29,75 22, Tst. BOPs 23, UR/HO 24, W.O.W. 0,5 25, Wash & Ream 26, Well Control 27, WOC 28, Other 95 Total Hours Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$434,406 Daily Daily Bbls Cement: SX Daily Cost \$1,958 Cement: SX Daily Cost SX Daily Cost SX Dai	ļ				+-											1	0.5
13, P.U./L.D. Pipe	<u></u>		 	-	+												
14. R/U; R/D 10 15. Rig Repair 18.75 16. Run Casing 8.5 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 29.75 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0.5 25. Wash & Ream 26. Well Control 27. WOC 28. Other 95 70tal Hours Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$434,406 5366 54		+-		+	+												
16. Run Casing 8.5 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 29.75 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0.5 25. Wash & Ream 26. Well Control 27. WOC 28. Other 95 Total Hours Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$434,406 Daily Daily Bbls Cement: SX Daily Cost \$434,406 Daily Daily Bbls Cement: SX Daily Cost \$436,364	<u> </u>	 -	 		1												
17. Service Rig	-	1			1												
18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 29.75 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0.5 25. Wash & Ream 26. Well Control 27. WOC 28. Other 95 Total Hours Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$434,406 Daily Daily Bbls Cement: sx Daily Cost \$1,958		1															8.5
19. Stuck Pipe 20. Survey 21. Trips 29.75 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0.5 25. Wash & Ream 26. Well Control 27. WOC 28. Other 95 7. Total 280 7. Total 28																- 	
20. Survey 21. Trips 29.75 22. Tst. BOPs 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0.5 25. Wash & Ream 26. Well Control 27. WOC 28. Other 95 28. Other 95 28. Other 95 28. Other 95 280																+	+
21. Trips 29.75 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0.5 25. Wash & Ream 26. Well Control 27. WOC 28. Other 95 70tal Hours 70tal 280 2																	
22. Tst. BOPs 23. UR/HO 24. W.O.W. 0.5 25. Wash & Ream 26. Well Control 27. WOC 28. Other 95 7. Total 280 7. Total 2																	29.75
23. UR/HO 24. W.O.W. 0.5 25. Wash & Ream 26. Well Control 27. WOC 27. WOC 28. Other 95 70tal Hours 70tal Hours 70tal	<u> </u>	+		+	+												
24. W.O.W. 0.5	-																
26. Well Control	 	+			1		, <u>, , , , , , , , , , , , , , , , , , ,</u>							24. W.O	.W.		0.5
27. WOC 28. Other 95 7 total Hours Fuel Usage Bulk Material on Board Previous Cost \$434,406		+	_	+-	1-									25. Was	h & Ream	4	
28. Other 95 7 total 280		1		1													
Total Hours Previous Cost \$434,406 Rig Downtime			\top														
Total Hours Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$434,406 Daily Daily Bbls Cement: sx Daily Cost \$1,958															r		
Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$434,406 Daily Daily Bbls Cement: sx Daily Cost \$1,958 Control \$436,364					1									i otal			280
Rig Downtime Fuel Usage Bulk Material on Board Daily Daily Bbls Cement: sx Daily Cost \$1,958 Cym Cost \$436,364																	
				Enc	Usana		Bulk	Material d	on Board				Previo	ous Cost			
	Rig [Fue	Usage	Bbls			on Board		sx		Daily	Cost		1,958	

MSC Exploration

	leci Ser	hnolog vices	.y 		Γ	Jail	y C	omp	letio	n R	epoi	rt				
	Blo	lock, Lease : hompson - S	and Well				Contract ede Energ	t Ria	DOL 13	DFC 22	Date on	n Location 18/2004	-	np. Date 18, 2004		port Date 31, 2004
MD 8,393	TVD 8,393	Foo	otage BTD		E No.	-	AFE Amo \$350,00	ount	Auth. TD				ny Represent	tative	1 00.	31, 200-
<u> </u>	<u> </u>	Prese	ent Operat			<u> </u>	Rig Phor	one:	٠	8,700 505-330-34		Toolpust				
Currer	nt Weather		S Visit	<u>'y</u>	NPDES			e on Loc.:		TO Ter		<u> </u>	Allen Co		TONG	
Wind:		☐ Yes	. J No		NPDES 50 Sample		Ope	perator		BOP Test	10/18/200		RKB		EVATIONS 15	ft
Seas: Sky:		Incs?	☐ Yes	es lo Pass?	□Yes	. □ No		ntractor ervice	-	Next BO	P Test Date		Water Dep RKB-CHF			ft
CASING	G RECORD								Cattir							nt
	Casing St	tring	OD	Wt.	Grade		Ju	s. Run	MD	ng Depth TVD	DV MD	V Tool TVD	MW when Run	n Pres	LOT EMW	Leakoff
Conduct Surface			16" 8 5/8"	" 24	LP J55	W STC	=	12	100' 505'	100'		1	Air	T		#
Production			5 1/2"		L80	LTC		196	8,690'	8,690'	5,512'	5,512'				1
				+			1								-	
			-	_			<u> </u>				+	#		1		1
BIT, WE	IGHT, SP	PEED AND H	HYDRAU	LICS RE	CORD								<u> </u>	<u> </u>		
No	Size		pe and	Serial	Number		Jets	Depth In	Total Footage	Hrs	WOB	Rpm	Avg ROP	Tooth	Grade Bearing	
	<u> </u>	Ŧ <u> </u>		<u> </u>		<u> </u>						—				1
Bit Re	emarks:						Cum. F	ROT. Hrs	PU	U Wt	sc	O Wt	RO	DT Wt	Tr	orque
Pump No.	Strok	Y Liner	Output	t SPM	GРM	Pr	<u></u>	T ,,	-		<u> </u>	T			w Pump Pre	
	Ou c	ke X Liner	Output gps	SFIV.	GFIV.	F1*	essure	٦V	РЬ	DC	AV DP	Speed 1/4	SPM		1 Pump #2	
1 2												1/2				
ВНА	70					<u> </u>			<u> </u>		<u> </u>	3/4			<u> </u>	
Length:	: 131.78'	Descri	ription:													
MUD DA																
	WT.	VIS	PV	ΥP	GELS	WL	НТНР	CAKE	SLDS %	LGS %	OIL %	SD %	мвт	рН	Pm	Pf/Mf
PIT									ÿL		U.L.	35	IVIL.	pr.	Fin	Pi/m.
		<u> </u>	_	_	<u> </u>		<u> </u>	<u> </u>				<u></u>	Г			
	Ch	nlorides	C	a++	Smpl Temp	F.L." Temp	Shaker	Screens	Hc	ours M	Mud Engine			Τ,	- Comp	
PIT							#1	#2	Desand						Mud Compa	iny
	L		<u> </u>				#3	#4	Desilt	Mud CI	Daily Cost	Mike Welke st	ər T	<u> </u>	Anchor cumulative C	Cost
	IONAL SU														\$7,031	
	MD	TVI	D	ANG	GLE	Dire	ection	Coord	dinates	<u>v</u>	vs .	DL		CLOS	SURE	
	TIONS SU												$ar{}$			
Til	ME			Boats:				oat Name:					Status:			
FROM 0600	TO 0730	HOUR	Code	WO Cre				oat Name:				· ———	Status: Status:			
0730	1030	3.0		Start rig,	g, CP=0 p				RBP on lo				Acti		ummary Daily	Cum.
	<u> </u>	<u> </u>		PU 5 1/2	/2" retriev	evable br	oridge plug	ıg.(4.37) 2	2 7/8" seati	ting nipple	and jt of		1. Mob/Del	Mob	- Du.,	74
	 			TIH w/ 2	266 jts of	f 2 7/8" t	tubing to	8397'. Se	Set RBP. T Tubing @	Top @ 839	393' KB		2. Cement	t		7.5
-20				RU 2 7/8	/8" swab				l upmy 🐷	8200 1			 Circulate Direction 			19.25
1030 1130	1130 1230	1.0					n drum sp			7200			5. Drilling			
				Rec 22 b	bbls H2C	O, Layed	d down s	swab	e 3 runs. Fl				Drive PipFishing		 '	
1230	1445	2.3	28	Started o	out of ho	ole. Laye	ed down	3 jts. Stoc					8. OH Logg	ging		<u> </u>
1445	1500	0.3	28	RU Exce	ell perfora	rators w	v/ 3 1/2" d	rieving hea dump baile	er.				9. Lost Circ 10. Drill Cm	C.	<u> </u>	
1500	1600	1.0	28	TIH w/ di	dump bail	iler and	2 sx 40/5	50 sand. C	er. Dumped sa	and on R	BP		11. N.U./ N	V.D.		0.5
1600	1700	1.0		15' of fill	on RBP.	P. POO!	H and LD	D bailer	4 holes, .43				12. P.U./L.[.D. BHA		3
				all shots	fired, No	lo immed	diate resp	ponse fror	m well. LD	3" Noies, 3 guns. F	43" peno ∢D Excell		13. P.U./L.(14. R/U; R/			13.25 10
1700 1715	1715 1845	0.3 1.5	28	Installed	d Washing	ngton str	ripping he	ead on BC	OP			·	15. Rig Rep	pair	1	18.75
		7.0		SDFN. I	Left pack	r paunu. ker swir	rang see	ating nippl stalled TIV	ole, TIH ran W valve	139 jts.	Го 4382.		16. Run Ca 17. Service		$\overline{-}$	8.5
-		$\overline{\Box}$	1				9	ten.	7 v			1	18. Sidetrac	ick Op.		
												1	19. Stuck P.	Pipe		
													20. Survey 21. Trips			29.75
		 	$\tilde{\longmapsto}$									2	22. Tst. BO			25
													23. UR/HO 24. W.O.W.			
			$\overline{\longrightarrow}$						-				24. W.O.W. 25. Wash &			0.5
			-									2	26. Well Co			
-													27. WOC 28. Other		8.75	95
Total H		12.8	لــــــــــــــــــــــــــــــــــــــ										Total		9.75	280

Previous Cost Daily Cost Cum. Cost

\$420,059 \$14,347 \$434,406

Bulk Material on Board Cement: Barite:

			·	<u>_</u>								,			ι	,
	PPI Tech Servi	nology ices	,		D	l aily	MSC , Co	Ex	plora etio	atior n Re	por	t				
	Bloc	k. Lease a	nd Well N	<u>o.</u>			Contract F		DOL	DFC	Date on		Comp.			rt Date
	N. Thor	mpson - Sta	ate MSC #				de Energy		15	24	10/18	/2004	Oct 18,		Nov 2	, 2004
MD	TVD	Foot		AFE	<u>No.</u>		AFE Amou	_	Auth. TD.				/ Representat			
8,393	8,393	PB1				<u> </u>	\$350,000			8,700'		<u> </u>	Norm Woods			
			t Operation	_			Rig Phon	e:	5	05-330-340)2	Tooloush	<u>ier</u> Allen Cermack	_		
		Prepa	re to swa	b			Rig Fax:						Allen Cermaci			
										BOP Test	Data			RIG ELEV	ZATIONS	
	Surrent frederick			NPDES			on Loc.:			Date 10/18/2004		RKB	KIG ELE	15	ft	
Wind: Yes A No LC50 Sampl			Sample	Date		rator		Next BOP			Water Depth		15	ft		
Seas:		Incs?	Yes					ractor		Next BOP	Test Date		RKB-CHF			ft
Sky:			∐ No	Pass?	Yes	☐ No	Sel	vice		L			KKB-CHP			
CASING			T 65	144	1 O 1-	0	l us	Run	Cotting	Depth	DV	Tool	MW when I		LOT	
٥	Casing Str	ing	OD	Wt.	Grade	Conn.	Jis.	Run	MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conducto)r		16"		LP	W			100'	100'			l l			
Surface			8 5/8"	24	J55	STC	1	12	505'	505'			Air			
Productio	n		5 1/2"	17	L80	LTC	1	96	8,690'	8,690'	5,512'	5,512'	8.9			
																<u> </u>
			1	_						ļ <u>-</u>	<u> </u>		ļļ			<u> </u>
				<u> </u>					ļ							
			ļ		1		<u> </u>		L		<u> </u>		<u> </u>		L	<u> </u>
	GHT, SPE	ED AND		ICS RE	CORD			γ	T +		,		T Ava 1		Grade	
BiT Bit Type No Size Manufac			Casial	A le sembrane	!	Jets	Donth In	Total Footage	Hrs	WOB	Rpm	Avg ROP	Tooth	Bearing	Gage	
No	Size	ivianui a	actui d i	j Seriai	Number	1 .	Jerz	I nehru iu	roviage	1113	TATOR	I INDIN	1.01	10001	Doaring	, Sugo

Length	: 131.78'	Descri	ption:													
MUD D	ATA						-									
	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pΗ	Pm	Pf/Mf
PIT			1													
															1	<u> </u>
						-										
					Smpl	F.L.		_								
Ь	Chl	orides		a++	Temp	Temp	Shaker	Screens	Ho	urs M	lud Engine	er			Mud Compa	iny
PIT			J		1	<u> </u>	#1	#2	Desand	Cent.						
					1						Mike Welker			Anchor		
	•						#3	#4	Desilt	Mud CI	Daily Cos	t			umulative C	Cost
I															\$7,031	

Cum. ROT. Hrs

Stroke X Liner

Output

MD	MD TVD		Direction	Coordinates	vs	DL	CLOSURE

TIN	ΛE		Time	Boats:	Supply Boat Name			Status:		
FROM	TO	HOUR	Code		Crew Boat Name		Status:			
0600	0730	1.5	28	WO Crew				Time S	ummary	
0730	0745	0.3	28	Rig started. TP	= 5 psi, CP = 5 psi			Activity	Daily	Cum.
0745	0845	1.0	21	TIH w/ 2 7/8" tu	bing. Ran 257 jts, w/ sea	ting nipple @ 8110' KB, Pa	cker @	1. Mob/DeMob		74
				8116' KB, Set p	acker w/ 20000# tension			2. Cement		7.5
0845	0900	0.3	28	RU swab.				3. Circulate		19.25
0900	0945	0.8	28	RIH to swab. F	L= 5600' (FL= 7000' when	perforated) Rec 6 bbls or	n 1 st	4. Directional Work		
				run. 2 nd run, l	FL=7300'. Rec 5 bbls flui	d		5. Drilling		
0945	1015	0.5	28	SI well for 30 m	nins to let fluid build-up			6. Drive Pipe		
1015	1045	0.5	28	3rd run. FL= 59	00', Rec 5 bbls., Release	d packer bypass valve		7. Fishing		<u> </u>
1045	1130	0.8	28	Made 4th swat	run. FL=7500', Rec 3 bb		8. OH Logging			
1130	1230	1.0	28	SI well for 60 m	nins to let fluid build-up		9. Lost Circ.			
1230	1330	1.0	28	5th swab run.	FL=7900', Made 3 - 800 f	short runs. Rec 1 bbl		10. Drill Cmt./LOT		
				Well not gassin	g		11. N.U./ N.D.		0.5	
1330	1400	0.5	28	6th swab run,	FL= 7900', Rec 1 bbl		12. P.U./L.D. BHA		3	
1400	1500	1.0	28	SI well for 60 m	nins to let fluid build-up		13. P.U./L.D. Pipe		13.25	
1500	1530	0.5	28	7th swab run. I	No fluid entry, dry run			14. R/U; R/D	1	10
1530	1630	1.0	28		nins to let fluid build-up			15. Rig Repair		18.75
1630	1700	0.5	28	8 th swab run.	FL= 7900', 3 - 800; short	runs. Rec 1/2 bbl		16. Run Casing		8.5
1700	1730	0.5	28	9th swab run F	L@ SN. No fluid recover	ed		17. Service Rig		
1730	1800	0.5	28	Installed tiw va	lve. SDFN			18. Sidetrack Op.		
								19. Stuck Pipe		
				Total fluid rec =	21 bbls. Sent 4 water sa	amples sent to Grd. Junctio	n for	20. Survey		
				analysis				21. Trips	1	30.75
								22. Tst. BOPs		
		İ						23. UR/HO		1
								24. W.O.W.		0.5
								25. Wash & Ream		
								26. Well Control	1	<u> </u>
								27. WOC		1
			I				28. Other	11	106	
								Total	12	292
	Hours	12.0								
 ,	wntime		Fuel U		Bulk Material on Board		Previous		6,364	
Daily Cum.		Daily Cum.	90	Bbls Cement: sx Daily Cost 801.5 Bbls Barite: sx Cum Cost					,507	
/G/II.		ouni.	1 00	ri.o duis	Danie.	sx (1000)	Cum. Co		1,871	



Block	, Lease and We		DOL	DFC	Depth	Footage	Comp Date:	Date:
	, <u>Lease and we</u> pson - State MS		15	24	8,393	<u>Footage</u> PBTD	Comp. Date: 10/18/2004	<u>Date:</u> 11/2/2004
Prepared	·		ract Rig	1 27	ATD	AFE Number:		11/2/2004 Amount
Norm Woo	ods		nergy #692				\$350	0,000
	INTANGIBLES		ACCT		Vendor		Daily Cost	Cumulativ
LOCATIONS	Surveying - Lo			ļ				
	Build & Mainta		ļ	 		,	-	
INSURANCE	Other Survey	S	ļ	1				
OVERHEAD			<u> </u>	1				
DIRECTIONAL	Directional Dr	iller & Tools						
	Motor Charge			†				
	MWD/LWD						1	
	Directional Su	irveys						
RIG COSTS	Day Work			Leed Rig \$3	380/hr (11 hrs), pmp	o, flat tk, racks	\$3,647	\$69,261
	Turnkey			<u> </u>				
	Mob/Demob							
	Fuel & Water			ļ				\$1,652
	Misc. Supplies	s & Services		ļ				
	Catering Water	<u> </u>		ļ		• •		£2.060
MUD & CHEMICALS	Water Mud Products			 			 	\$2,069 \$7,031
MOD & CHEMICALS	Mud Rental E			 	7			\$1,000
	Mud Supervis		l	 				Ψ1,000
** *				<u> </u>				
LOGGING	Open Hole Lo	gging	·	<u> </u>	······································			\$16,844
	Mud Logging	-		1				
DRILLING	Bits							\$5,155
	Reamers, Hol							\$2,376
CEMENTING	Cementing Se	ervices						\$36,186
	Cement & Add							\$42,767
	Cementing To							\$4,491
		ent & Centralizers						\$7,743
TRANSPORTATION	Land			<u> </u>				\$19,380
	Marine			<u> </u>				
	Air Boat Fuel & L	uhe						
,	Barge Rental					· · · · · · · · · · · · · · · · · · ·		
· · · · · · · · · · · · · · · · · · ·	go . tornal							
SUPERVISION	Wellsite Supe	rvision		†			\$1,000	\$23,667
	Other Supervi						\$500	\$15,333
TESTING	Well Testing							\$2,391
	Coring & Wire	line						
RENTAL EQPT.	Rental Equipn				, BOP/ DC/lifting eq	\$270,	\$305	\$10,166
***	Trailer & Cam			Porta potty			\$10	\$5,498
CONTRACT LABOR	Drive Hamme							
	Casing Crews							\$12,000
	Fishing Tools							
······································	Wellhead Sen Dock, Dispato							
	Closed Loop	ner, Cianes		 				
	Misc. Contrac	t Labor		 				\$4,022
	moo. Comrac			 				Ψ+,∪∠∠
								
LOST & DAMAGED EQ	UIPMENT							
ENVIRONMENTAL, RE	GULATORY & S	SAFETY						
COMMUNICATION							\$45	\$822
MISCELLANEOUS CHA				l				
тот	AL INTANGIBL	ES	A00=		DECORPOR		\$5,507	\$289,854
Data - Dia - 6	TANGIBLES		ACCT		DESCRIPTIO	N	Dally Cost	Cumulativ
Drive Pipe/ Conductor	-			 				
Surface Ca	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~							
Intermediat								
	te Casing/Drilling	Liner						
Drilling Line								
	Casing/Liner			8700' of 5 1/	/2", 17.0#/ft., L80, L	TC @ \$11.62/ft.		\$101,154
Production					'8", 6.50 #/ft., L80, 8			\$44,370
	quipment/Tree				1/16", 5M tubing he			\$6,395
Liner Hang	er							
Mud Line S	Suspension Equi	pment						
	Production Equ	·		seating nipp	le, notched collar			\$98
	oduction Equipm	ient						
Miscellaned	ous Tangibles							
	TAL TANGIBLE	S —				—		\$152,017
	VELL TOTALS						\$5,507	\$441,871

PPI Technology

MSC Exploration

Daily Completion Report

	Servi	ces		any comp	10110		PO. 1		
	Bloc	k, Lease and Well I mpson - State MSC		Contract Rio Leede Energy #692	<u>DOL</u> 17	DFC 26	Date on Location 10/18/2004	Comp. Date Oct 18, 2004	Report Date Nov 4, 2004
MD 8,163	TVD 8,163	Footage PBTD	AFE No.	AFE Amount \$350,000	Auth. TD.	8,700 ¹		y Representative Norm Woods	
	1	Present Operat Swabbing	lon	Rig Phone: Rig Fax:	2	54-241-53		ner Allen Cermack	

Section Sect	,163	8,163	PBT			\$350,000 8,700°						Norm Woods Toolpusher							
Company Comp					n.			Rig Phone Rig Fax:	9 :	25	04-241-031	'							
			SWe	ibblilg											DIG ELEV	ATIONS			
	urrent W	/eather	MMS V						74-14 ATTE			III III III III III III III III III II		DVB	RIG ELEV				
Section Sect					LC50	Sample	<u>Date</u>								,	fl fl			
ASSANCE Casing String			incs?		Pass?	Yes	No									f	ł		
Casing String		ECORD												I AdiAtham		LOT			
	Ca	asing String	1	OD	Wt.	Grade	Conn.	Jts.	Run			l .		1	Pres	-	Leakoff?		
Section Sect	onductor			16"	de equitor i	LP	W												
International Companies												5 5401	E 510'						
Bit Second Bit System Second	roduction			5 1/2"	17	L80	LTC		96	8,690	8,690	5,512	3,512	0.9					
Bit Second Bit System Second																			
Bit Second Bit System Second											ļ	 		<u> </u>					
Bit Second Bit System Second	IT WEIG	LIT COEC	D AND H	VDRAUL	ICS RE	CORD	L	L		<u> </u>	<u> </u>								
Size		INI, SPEE									1			_	Tooth		Gage		
Strick Company Strick Co	No	Size	Manufa	cturer	Serial	Number		Jets	Depth In	Footage	Hrs	I WOS	Rpm	T KOF	10001	Dod.ii.g			
Strick Company Strick Co									 				<u> </u>						
No. Seroke Sero	Bit Ren	narks:						Cum. F	ROT. Hrs	Pί	J Wt	SC	Wt	ROT	Wt	lore	lue		
No. Stroke X Liner Output SPM OFM Pressure PC DF 1/4 PC						1		<u> </u>			T	<u> </u>	T	+	Slow	Pump Pres	sures		
		Stroke	X Liner	Output	SPM	GPM	Pr	essure	٦V	Pb				SPM	Pump #1	Pump #2	Pump #3		
1							<u> </u>		<u> </u>	<u> </u>	DC	DP		 		 			
MUD BATA						<u> </u>	 		 		1	-		1					
MUD DATA					<u> </u>				<u> </u>										
WT. VIS PV VP GELS WL HTHP CAKE SLDS % LGS % OL % SD % M91 PT PT		131.78'	Descri	ption:															
WT. VIS PV VP GELS WL HTHP CAKE SLDS % LGS % OL % SD % M91 PT PT																			
WT. VIS PV VP GELS WL HTHP CAKE SLDS % LGS % OL % SD % M91 PT PT	ALID DAT	TA CONTRACTOR OF THE CONTRACTO																	
Chlorides	NO DA		VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pH	Pm	Pf/Mf		
Choirides	PIT						GELS WL HTHP CARE SLUS % LGS % OIL % SU							<u> </u>	ļ	 	-		
Choirides				<u> </u>	<u>L</u>										<u> </u>				
Chebridge		T		1										T	Τ,	Aud Compa	nv		
Boats		Chic	rides	С	a++	Temp	Temp				eer		 	vidu Compa	19				
ST Status Statu	PIT					 	╁	#1	#2	Desand		=		lker	<u> </u>				
DIRECTIONAL SURVEYS		L				<u> </u>		#3	#4	Desilt	Mud C	Daily Co	st		_ c		ost		
No									Ι			ــــــــــــــــــــــــــــــــــــــ				97,001			
OPERATIONS SUMMARY TIME			RVEYS	/D	I A	NGLE	T D	irection	Coo	rdinates	T	VŚ	DL		CLO	SURE			
Time		מא											T			<u> </u>			
Time HOUR Time Boats: Supply Boat Name: Status: Status: Status: Status: Status: Status: Status: Status: Time Code Crew Boat Name: Status: Status: Time Summary Activity Daily Daily D715 0.3 28 Start ng. CP=0 psi Activity Daily D830 0.3 21 Finish TIH to 8173 KB to set RBP. Set RBP @ 8173'. 1. Mob/DeMob D830 0.3 22 Finish TIH to 8173 KB to set RBP. Set RBP @ 8173'. 1. Mob/DeMob D830 0.3 28 LD swab. Swabbed well. FL=6800'. POOH 2. Cement 3. Circulate D845 1200 2.3 28 TOOH with tubing and retrieving head. Layed down 43 jts. Standing back D70H with tubing and retrieving head. Layed down 43 jts. Standing back D70H with tubing and retrieving head. D847 D847										<u> </u>									
FROM TO HOUR Code Crew Boat Name: Status: Time Summary Geology Crew Daily Code Crew Boat Name: Time Summary Activity Daily			MART	Time	Boats			Supply	Boat Name	e:									
Ortion O			HOUR					Crew	Boat Name	B:				Status:					
1715 0.3							0:							- Ac			Cum.		
0830 0930 1.0 28 RU swab. Swabbed well. FL=6800'. POOH 2. Cement 1.0					Start	ng. CP=	U psi	R to set F	RP Set	RBP @ 8	3173'.						74		
0930 0945 0.3 28					Pinisi	wah Sw	abbed	well. FL=	6800'. P	OOH				2. Cemei	nt		7.5		
1200 2.3 28 TOOH with tubing and retrieving head. Layed down 43 jts. Standing back 4. Directional Work 214 jts. Layed down RBP setting head. 5. Drilling 5					LD sv	vab. RU	to pull	tubing								_	19.25		
1200 1330 1.5 28 RU Excell with dump bailer. 1 sax 40/50 sand. Dumped sand on RBP. 6. Drive Pipe		1200			тоо	H with tu	bing ar	d retrievi	ng head.	Layed do	own 43 jts	. Standin	g back				 		
Top of sand 8163'. POOH w/ bailer. LD bailer 7. Fishing 1330 1345 0.3 28 RU rig pump and pumped 15 barrels of 6% KCL do 8. OH Logging 9. Lost Circ.		1			214 j	s. Laye	d down	RBP set	ting head.										
1330 1345 0.3 28 RU rig pump and pumped 15 barrels of 6% KCL dc 8. OH Logging 1345 1430 0.8 28 RU 3 1/2" casing guns. RIH Perfed 6858' tp 6868'. 43" holes, 40 shots 9. Lost Circ. 1430 1445 1630 1.8 21 RU stripping head, PU seating nipple, Baker single set Horner. TIH w/ 214 jts 12. P.U./L.D. BHA 1445 1630 1.8 21 RU stripping head, PU seating nipple, Baker single set Horner. TIH w/ 214 jts 12. P.U./L.D. BHA 1445 1630 1.8 21 RU stripping head, PU seating nipple, Baker single set Horner. TIH w/ 214 jts 12. P.U./L.D. BHA 14. RVU; R/D 14. RVU; R/D 15. Rig Repair 15. Rig Repair 15. Rig Repair 15. Rig Repair 16. Run Casing 16. Run Casing 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 3. 22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Ream 26. Well Control 27. WOC 28. Other 8.5 Total 11.5 Rig Downtine Fuel Usage Bulk Material on Board Previous Cost \$447,245 5. Rig Downtine Fuel Usage Bulk Material on Board Previous Cost \$447,245 5. Rig Down Cest \$453,211 5. Rig Down Cest \$453,211 5. Rig Down Cest \$453,211 5. Rig Down Cest \$453,211 5. Rig Control 25. Rig Down Cest \$453,211 5. Rig Down Cest \$4545,211 5. Rig Down Cest \$456,211 5. Rig Down Cest \$456,211 5. Rig Down Cest \$456,211 5. Rig Do	1200	1330	1.5	28	RU E	xcell wit	h dump	bailer. 1	sax 40/5	0 sand. [Dumped s	and on R	BP.	_			+		
1345 1430 0.8 28 RU 3 1/2" casing guns. RIH Perfed 6858" to 6868". 43" holes, 40 shots 9. Lost Circ.		1	<u> </u>	1-	Top	of sand 8	163'. F	OOH w/	barrels of	Daller Daller	do					+	 		
1430 1445 0.3 28 RD Excell 11. N.U./ N.D. 12. N.U./ N.D. 1445 1630 1.8 21 RU stripping head, PU seating nipple, Baker single set Horner, TIH w/ 214 jts 12. P.U./L.D. BHA 14. R/U; R/D 1630 1645 0.3 28 RU swab 14. R/U; R/D 1645 1730 0.8 28 1st swab run. Set down on something hard at 4500°. Worked swab for 15. Rig Repair 16. Run Casing 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 3 22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Ream 26. Well Control 27. WOC 28. Other 8.5 Total Hours 11.5 Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$447,245 5463/21. 19. Rig Repair 19. Stuck Cop. 19. Stuck Cop. 19. Stuck Pipe 20. Survey 21. Trips 3. Stuck Pipe 22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Ream 26. Well Control 27. WOC 28. Other 8.5 Total 11.5 Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$447,245 5463/21. 19. Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$447,245 5463/21. 19. Rig Downtime Simple Cost \$463/21. 19. Rig Downtime Right Pipe 19. Right P					RU ri	g pump :	and pui	nped 15	Perfed 69	358' to 68	68'43"	holes. 40	shots						
1430	1343	1430	0.8		w/ 42	" penetr	ation. 4	shots/ft.	All shots	fired. No	change a	fter perfo	rating	10. Drill (Cmt./LOT				
1445 1630 1.8 21 RU stripping head, PU seating nipple, Baker single set Horner. TIH w/ 214 jts 12. P.U./L.D. BHA 14. bubing. Set packer @ 6754' KB. Bottom 6764' w/ 20000 # tension 13. P.U./L.D. Pipe 1630 1645 0.3 28 RU swab 14. RU; R/D 14. RU; R/D 15. Rig Repair 15. Rig Repair 15. Rig Repair 15. Rig Repair 16. Run Casing 17. Service Rig 17. Service Rig 18. Sidetrack Op. 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 3 22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Ream 26. Well Control 27. WOC 28. Other 8.5 Total 11.5 Total Hours 11.5 Total Hours 11.5 Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$447,245 5483 21. Trip 5463 21. Trip 5463 21. Trip 15. Previous Cost 5447,245 5483 21. Trip 5463 21. Trip 5463 21. Trip 5463 21. Trip 5463 21. Trip 5463 21. Trip 5463 21. Trip 5463 21. Trip 5463 21. Trip 5463 21. Trip 5463 21. Trip 5463 21. Trip 5463 21. Trip 5465	1430	1445	0.3	28	RD E	xcell										 	0.5		
tubing. Set packer @ 6754' KB. Bottom 6764' w/ 20000 # tension 13. P.U./L.D. Pipe 1630 1645 0.3 28 RU swab 14. R/U; R/D 1645 1730 0.8 28 1st swab run. Set down on something hard at 4500'. Worked swab for 15. Rig Repair 16. Run Casing 17. Service Rig 18. Sidetrack Op. 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 3. 22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Ream 26. Well Control 27. WOC 28. Other 8.5 Total 11.5 Rig Downtime 5 Fuel Usage 5 Bulk Material on Board 5 Previous Cost \$447,245 Daily Daily Bbls Cement: 5 x Daily Cost \$15,976 Daily Daily Bbls Cement: 5 x Daily Cost \$443,231				_	RU s	tripping !	head, F	U seating	g nipple, E	Baker sing	gle set Ho	rner. TIH	w/ 214 jt	s 12. P.U./			12.2		
1645 1730 0.8 28 1st swab run. Set down on something hard at 4500'. Worked swab for 15. Rig Repair							cker @	6754' K	B. Bottom	6764' w/	20000#	tension_				+	13.2		
1545 1750 155 15					RU s	wab	<u> </u>			hard of 45	100' Mar	kad ewah	for			 	18.7		
In mandel. Recovered no fluid 17. Service Rig	1645	1730	0.8	28	1st s	wab run.	Set do	wn on so	Dull swel	Found	nil saver n	ubber car	iaht			—	8.5		
Shut well in; SDFN 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 3 22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Ream 26. Well Control 27. WOC 28. Other 8.5 7. Total 11.5 7. Total Hours 11.5 7. Total Hours 11.5 7. Total Hours 11.5 7. Total Daily Daily Bbis Cement: Sx Daily Cost \$447.245 24. Standard 24. Standard 25. Standard 26. Standard 26. Standard 27. Standa		 	 	┼─						5. 1 Outla	on ouver ,	0000	<u> </u>						
19. Stuck Pipe 20. Survey 21. Trips 3 22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Ream 26. Well Control 27. WOC 28. Other 8.5 7. Total 11.5 7. Total Hours 11.5 7. Total Hours 11.5 7. Total	·	-	 	+-				, <u>_</u> nui						18. Side	track Op.				
21. Trips 3 22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Ream 26. Well Control 27. WOC 28. Other 8.5 Total 11.5 Total 11.5 Total 11.5 Total 5. Well Control		1		1	<u> </u>												-		
22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Rearn 26. Well Control 27. WOC 28. Other 8.5 Total 11.5 Total Hours 11.5 Total Hours 11.5 Total 5.		1															 		
23. UR/HO 24. W.O.W.																- 3	33.7		
24, W.O.W. 25, Wash & Ream 26, Well Control 27, WOC 28, Other 8.5 Total 11.5 Total 11.5 Total Fuel Usage Bulk Material on Board Previous Cost \$447,245 Daily Daily Bbls Cement: Sx Daily Cost \$463,221			<u> </u>	_												+	+		
25. Wash & Ream 26. Well Control 27. WOC 28. Other 8.5 Total 11.5 Total Hours 11.5 Total Fuel Usage Bulk Material on Board Previous Cost \$447.245 Daily Daily Bbis Cement: Sx Daily Cost \$463.221	<u> </u>	_	 		-											-	0.5		
26. Well Control	<u> </u>		 		+												0.5		
27. WOC 28. Other 8.5 Total 11.5		+	+	+-	+														
Total Hours 11.5	-	 	+		+	<u> </u>								27. WO	С				
Total Hours 11.5 Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$447,245 Daily Daily Bbis Cement: sx Daily Cost \$15,976		1	†	1													126		
Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$447,245 Daily Daily Bbls Cement: sx Daily Cost \$15,976 Compress \$463,221														Total		11.5	315.		
Rig Downtime Puer Osage Suin Match Service Sx Daily Cost \$15,976 Daily Daily Bbls Cement: Sx Daily Cost \$463,221			11.5		l (leans		But	Material	on Board				Previ	ous Cost	\$4	447,245			
		Ownume	Daily		. cauge		Cer	nent:					Daily	Cost					
	Cum.		Cum.		801.5	Bbls	Bar	te:			sx		Cum	. Cost	\$-	403,221			

PPI Technology Services

	Ser	vices	J			Dail	y Co	omp	letic	n R	epo	rt						
		ock, Lease nompson - S					Contract		DOL.	DFC		n Location		o. Date	1 -	ort Date		
MD	TVD		otage		E No.	Le	ede Energ AFE Amo		16 Auth. TD	25	10/1	8/2004 Compan	V Represent	8, 2004 ative	Nov	3, 2004		
8,393	8,393		STD	<u> </u>		_	\$350,00			8,700'			Norm Wood					
		Prepare	ent Opera to plug ba				Rig Pho Rig Fax:			254-241-5	317	Toolpust	<u>ner</u> Allen Cerma	ıck				
Curren	t Weathe	I MMS	S Visit	7	NPDES		I People	on Loc.:	7	BOP Tes	t Date		T	BIC CLC	VATIONO			
Wind:		Yes	□N	o LC5	0 Sample			erator		DOI 163	10/18/200)4	RKB	KIG ELE	VATIONS 15	ft		
Seas: Sky:		Incs?	☐ Ye	s o Pass?	Dvan	□ No.		tractor		Next BO	P Test Da	te	Water Dep	th		ft		
	RECOR	D		ojrass?	Yes	No	36	ervice		<u> </u>			RKB-CHF			ft		
	Casing S	tring	OD	Wt.	Grade	Conn.	Jts	. Run		g Depth		/ Tool	MW when	1	LOT			
Conduct	tor		16"	_	LP	w			100'	100'	MD	TVD	Run	Pres	EMW	Leakoff?		
Surface			8 5/8"	24	J55	STC		12	505'	505'			Air			1		
Producti	ion		5 1/2"	17	L80	LTC	 	196	8,690'	8,690'	5,512'	5,512'	8.9					
			Τ															
				<u> </u>					 	 	 		 	 	ł	 		
BIT, WE	IGHT, SP	EED AND	HYDRAU pe and	LICS RE	CORD			7	T-4-1					·				
No	Size		acturer	Serial	Number	1 .	Jets	Depth In	Total Footage	Hrs	woв	Rpm	Avg ROP	Tooth	Grade Bearing	Gage		
Bit R	emarks:	_1		L	Cum. ROT, Hrs PU Wt SO W							O Wt	RO	T Wt	To	rque		
Pump	T		<u> </u>	Т	ī			T		1		7						
No.	Strok	e X Liner	Output	SPM	GPM	Pre	essure	٦v	Pb		AV	Speed	SPM		Pump Pre Pump #2	ssures Pump #3		
1			gps	+		 		<u> </u>	<u> </u>	DC	DP	1/4				ļ <u> </u>		
2 BHA									Ĺ			3/4						
Length:	131.78	Descr	iption:	T														
MUD DA	TA				-													
	WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	рН	Pm	Pf/Mf		
PIT			 	 								Ī						
					L		L	<u> </u>	L	<u> </u>	<u> </u>	<u> </u>		l	<u> </u>	<u> </u>		
	Ch	lorides	C	a++	Smpl Temp	F.L. Temp	Shaker	Screens	L.	urs N	Aud Englis							
PIT							#1	#2	Desand	Cent.	Aud Engine	er		, N	lud Compa	ny		
	<u> </u>		<u> </u>			L	#3	#4	Desilt	Mud CI	Daily Cos	Mike Welke	er		Anchor			
DIRECTI	ONAL SU	IDVEVO							Desilt	WIGG CI	Daily Cos			Ct	mulative C \$7,031	ost		
	1D	TV	Ď	AN	GLE	Dire	ection	Coord	linates	\ \	/S	DL I		CLOSURE				
OPERAT	IONS SU	MMARY		L								1						
FROM	ME TO	HOUR	Time Code	Boats:			Supply Bo	oat Name: oat Name:				-	Status:	·				
0600	0700	1.0	28	WO Cre	w		CIEW BC	at Name:					Status:	Time Su	mmanı			
0700	0715	0.3	28	Start rig	. TP=0								Activ		Daily	Cum.		
0715	0815	1.0	28	1st swa	b run, FL	= 6300	(last FL	@ seatin	g nipple 8	3110'), Re	c 6 bbls,		1. Mob/Dei	Mob		74		
0815	0845	0.5	28				for fluid	bbls, no g	gas				 Cement Circulate 			7.5		
0845	0900	0.3	28	3rd swa	b run, Fl	_= 7800	', Rec 1	bbl.					4. Direction			19.25		
0900 0930	0930 1000	0.5 0.5	25 28				for fluid e						5. Drilling					
1000	1100	1.0					'. Rec no for fluid i	fluid, dry entry	run				6. Drive Pip 7. Fishing	oe				
1100	1200	1.0	28	5th swa	run, FL	= 7600	', Rec no	fluid					7. Fishing B. OH Logg	ing				
		-					300', Rec	no fluid					9. Lost Circ					
1200	1430	2.5	28	Orders t Unseat i				tuhing et	anding ba	ck			10. Drill Cm					
1430	1645	2.3	28	WO Ret	reivable	bridge p	olug.					7	11. N.U./ N. 12. P.U./L.[0.5 3		
1645	1800	1.3	28	PU 51/2				nd packer	r. Ran 60	jts of 2 7	/8" tubing		13. P.U./L.C			13.25		
				1958'. Shut we	lin SDS								14. R/U; R/I			10		
				Total flui									l5. Rig Rep l6. Run Ca			18.75		
													7. Service			8.5		
<u> </u>			L	NEW TE	I EDUC	NE NI II	ADED - 1	254-241-5	:247			1	8. Sidetrac	k Op.				
					<u></u>	AE IAON	NDER = 2	20 4 -241-5	31/				9. Stuck Pi	ipe				
<u>-</u>				Will perf	6858' - 5	868' (1	0')						1. Trips			30.75		
+									· ———				2. Tst. BOI	Ps				
			_ 1										3. UR/HO 4. W.O.W.					
$- \bot$													5. Wash &	Ream	0.5	0.5 0.5		
		-										2	6. Well Cor					
													7. WOC		11.5	445.5		
Total H	0.122											 	8. Other Total		11.5	117.5 304		
Rig Dow		12.0	Fuel Usa	age	I _R	ulk Mate	erial on Bo	ard										
aily		Daily Cum.	801	В	bis C	ement:	Jii DU		S	x		Previous Co Daily Cost	ost	\$441,8 \$5,37		——		
um.				a R	bis B	arite:			S	x		um. Cost		\$447,2				

	PPI
	Technology
	Services

「二)	PPI Techi Servi	iology ces	•		D			mpl		ation n Re		t				
	Bloc	k. Lease ar		_		9	Contract F	Rig Dis	DOL	DEC	Date on	ocation	Comp.			t Date
MD 3,163	TVD	pson - Sta Foota PBT	age		No.		te Energy AFE Amou \$350,000	unt	19 Auth. TD.	28 8,700'	10/18/	Company	Oct 18, Representa Norm Woods	tive_	Nov 6	, 2004
,103 1	8,163	Presen	t Operatio	20			Rig Phon Rig Fax:		25	54-241-531	7	Toolpush		· · · · · ·		
urrent \	Veather	MMS	Visit		NPDES		People	on Loc.:		BOP Test	Date		r	RIG ELEV	ATIONS	
Vind:		Yes	∠ No	LC50	Sample	<u>Date</u>		rator			0/18/2004		RKB			ft
Seas:		Incs?	☐ Yes					ractor		Next BOP	Test Date		Water Depth	1		ft
Sky:	250022		U No	Pass?	Yes	□No	Ser	vice					RKB-CHF			ft
	RECORD asing Stri	ng	OD	Wt.	Grade	Conn.	Jts.	Run	Setting MD	Depth TVD	MD DV	TVD	MW when	Pres	LOT EMW	Leakof
onducto	r		16"		LP	w			100'	100'	MU	100	Kun	F163	CIVIVY	Loukoi
rface	<u>'</u>		8 5/8"	24	J55	STC	1	12	505'	505'			Air			
oductio	n		5 1/2"	17	L80	LTC	1	96	8,690'	8,690'	5,512'	5,512	8.9			
T, WEI	GHT, SPE	ED AND H	YDRAUL	ICS RE	ORD						<u> </u>		<u> </u>			-
BIT No	Size	Bit Typ Manufa		Sorial	Number		ets	Denth In	Total Footage	Hrs	WOB	Rpm	Avg ROP	Tooth	Grade Bearing	Gage
NO	U SIZE Manadada Senai Namber Vota		DODAN III	Toologe												
Dit Do	Remarks: Cum. ROT. Hrs PU Wt SO V					Wt	ROT	Wt	To	rque						
DIL IZE	marks,						- Ouini. (
ump No.				SPM	GPM	Pre	ssure	JV	Pb		V	Speed	SPM		Pump Pres Pump #2	
			gps			ļ			<u></u>	DC	DP	1/4				
2					 			 -	 		 	3/4				
HA	L															
UD DA	TA WT.	VIS	PV	YP	GELS	WL	нтнр	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	рН	Pm	Pf/M
IT										_						
	<u>. </u>	<u> </u>	1	ļ	<u></u>	<u></u>	<u> </u>	J	<u> </u>	L				<u> </u>		
riT	Chi	orides	C	a++	Smpl Temp	F.L. Temp	Shake	Screens	Ho Desand		Mud Engine	ег	Mud Company			
11			<u> </u>		土二	1						Mike Well	Iker Anchor Cumulative Cost			
							#3_	#4	Desilt	Mud CI	Daily Cos	:t	+	1	\$7,031	,USI
IRECT	ONAL SU													21.0	SURE	
	ND	T\	/D	AN.	IGLE	Dir	ection	Coor	dinates	 	vs	DL		CLO.	SUKE	
		<u> </u>		ļ				1	<u> </u>							
	TIONS SU	MMARY											Status:	 		
FROM	ME TO	HOUR	Time Code	Boats:				Boat Name Boat Name				-	Status:			
0600	0600	,,,,,,,,,,		Shutde	own Frid	ay, Satı	ırday & S	Sunday. (Contractor	personne	el in Well	Control			ummary	
				Schoo	1.									tivity	Daily	Cum
	ļ	ļ		—						 			1. Mob/De 2. Cemen		 	7.5
	ļ	<u> </u>	╂	+				_					3. Circula		† · · · · ·	19.2
	 	 	 	1										onal Work		
		<u> </u>	\mathbf{L}^{-}										5. Drilling			
													6. Drive P		 	+
	ļ	<u> </u>	_	 									7. Fishing 8. OH Log		 	+
	 		+	-									9. Lost Ci		1	\top
		 	 	t^{-}									10. Drill C			
													11. N.U./		ļ	0.5
		ļ		1									12. P.U./L		 	13.3
	ļ —	 									,		13. P.U./L 14. R/U; I		-	13.2
	 	 		+-									15. Rig R		 	21.2
<u> </u>	· 	+	1	1									16. Run (8.5
											17. Servi	ce Rig				
											18. Sideti			+-		
			4										19. Stuck		 	+
	_	ļ		+-									20. Surve			33.7
	 	1		-									21. Trips 22. Tst. B		+	1 33.7
	 	 	1	†									23. UR/H			T
		1											24. W.O.	W	1	0.5

23. UR/HO
24. W.O.W.
25. Wash & Ream
26. Well Control
27. WOC
28. Other
Total 0.5 135 327 \$470,136 \$860 \$470,996 Bulk Material on Board Cement: Barite: Previous Cost Daily Cost Cum. Cost

Calcifoli, Grandina

PPI Technology Services
 Block, Lease and Well No.
N. Thomson, Chair MCC #40

MSC Exploration

Daily Completion Report

Contract Rig DOL DFC Date on Location Comp. Date Report Date Leede Energy #692 18 27 10/18/2004 Oct 18, 2004 Nov. 5, 2004

<u>MD</u> 8,163	TVD	I 500	tage	AEI	E No.	+	AFE Amo	y #692	18	27	1071	8/2004	Oct 18		Nov	
	8,163		TD		<u> </u>	ŀ	\$350,00		Auth. TD	£ 8,700'		Compan	Norm Wood			
		Prese	nt Operat	ion		1	Rig Pho	ne:	- 2	254-241-53	17	Toolpus				
		S	wabbing				Rig Fax:					<u> </u>	Allen Cerma	ck		
Curren	t Weather	Т ммѕ	Visit	T	NPDES	-	People	on Loc.:	T	BOP Tes	Date		T	DIC ELE	VATIONS	
Wind:		☐ Yes	☐ No	LC50) Sample	Date		erator	<u> </u>		10/18/200	4	RKB	NO ELE	15	ft
Seas:		Incs?	Yes					tractor		Next BOF	P Test Dat	9	Water Dept	h		ft
Sky:	, proop	<u> </u>	☐ No	Pass?	Yes	☐ No	Se	rvice	L				RKB-CHF			ft
CASING	Casing St		OD	Wt.	Grade	Conn.	lte	. Run	Settin	g Depth		Tool	MW when		107	
		9			0,000	00,,,,	"		MD	TVD	MD	TVD	Run	Pres	LOT EMW	Leakoff
Conduc	tor		16"		LP	W			100'	100'						
Surface Product	ion		8 5/8" 5 1/2"	17	J55 L80	STC		12 196	505' 8,690'	505' 8,690'	5,512'	E 5401	Air		-	
1 100000			1	† <u>'</u> ''	1 200	1 210	<u> </u>	130	0,090	8,090	3,312	5,512'	8.9			-
			-													
			ļ	<u> </u>			ļ			ļ	 	<u> </u>	ļ			ļ
BIT, WE	IGHT, SP	EED AND I	IYDRAUI	ICS REC	CORD	1	<u> </u>		!	<u>. </u>	1	1	<u> </u>	<u> </u>	<u> </u>	1
BIT No	Size	Bit Typ Manufa		Cariali	Ni saabaaa		1-4-		Total				Avg		Grade	
110	3120	Widihola	cturer	Serial	Number		Jets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
		<u> </u>										<u> </u>				
<u>Bit Ri</u>	emarks:						Cum. F	ROT. Hrs	PL) Wt	sc	Wt	ROT	Wt	To	rque
Pump			T]	T		T		1	1	T	 	I Slow	Pump Pres	ssures
No.	Strok	e X Liner	Output	SPM	GPM	Pre	essure	J∨	Pb		V	Speed	SPM	Pump #1	Pump #2	Pump #
1	+		gps	-		I [DC	DP	1/4	 	ļ	ļ	
2					<u> </u>			 				1/2 3/4	 	-	 	
ВНА	······	,		,			****				·					
Length:	131.78'	Descri	ption:													
													·			
MUD DA		·											···			····
	WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	ρН	Pm	Pf/Mf
PIT	 															
	<u> </u>	<u>.l</u>	ــــــــــــــــــــــــــــــــــــــ	L			l			<u> </u>	L	L	L		l	L
					Smpl	F.L.										
PIT	Chl	orides	Ca	++	Temp	Temp	Shaker #1	Screens #2			lud Engine	er		M	lud Compa	ny
	ļ		·				#1	#4	Desand	Cent.	١,	/like Welk	er		Anchor	
			•				#3	#4	Desilt	Mud Cl	Daily Cos			Cu	mulative C	ost
DIRECT	ONAL SU	RVEYS													\$7,031	
												<u> </u>			₩7,001	
	ИD	TV	D	ANG	SLE	Dire	ection	Coord	inates	V	s	DL		CLOS		
	ИD		D	ANO	GLE	Dire	ection	Coord	inates	V	s	DL		CLOS		
	IONS SU	TV	D	ANO	GLE	Dire	ection	Coord	inates	V	s	DL		CLOS		
OPERAT	TIONS SU	MMARY	Time	ANG Boats:	SLE		Supply Bo	oat Name:	inates	V	S	DL	Status:	CLOS		
OPERAT	IONS SU	MMARY HOUR	Time Code	Boats:			Supply Bo		inates	V	S	DL	Status: Status:		URE	
OPERAT TI FROM	TIONS SU ME TO	MMARY	Time Code 28	Boats:	w		Supply Bo Crew Bo	oat Name:	inates	V	S	DL	Status:	Time Su	URE	Cum
OPERAT TI FROM 0600	ME TO 0700	MMARY HOUR 1.0	Time Code 28 28	Boats: WO crev	w . TP=0	psi, CP	Supply Bo Crew Bo =0psi	oat Name: oat Name:					Status: Activ	Time Su	URE	Cum.
OPERAT TI FROM 0600 0700 0715	TIONS SU ME TO 0700 0715 0730	MMARY HOUR 1.0 0.3 0.3	Time Code 28 28 28	Boats: WO cres Start rig Made 1s jumped	w . TP=0 st swab	psi, CP: run. FL:	Supply Bo Crew Bo =0psi	oat Name:					Status:	Time Su	URE	Cum. 74 7.5
OPERAT TI FROM 0600 0700 0715	TIONS SU ME TO 0700 0715 0730	HOUR 1.0 0.3 0.3	Time Code 28 28 28	Boats: WO crev Start rig Made 1s jumped Fix spro	w . TP=0 st swab off ket chair	psi, CP: run. FL:	Supply Bo Crew Bo =0psi =6300' A	pat Name: pat Name:	00' short r			chain	Activs: Activ 1. Mob/Del 2. Cement 3. Circulate	Time Su vity Mob	URE	74
OPERAT TI FROM 0600 0700 0715	TIONS SU ME TO 0700 0715 0730 1000 1030	HOUR 1.0 0.3 0.3 2.5 0.5	Time Code 28 28 28 28	Boats: WO crev Start rig Made 1s jumped Fix spro Finished	w . TP=0 st swab off ket chair	psi, CP: run. FL: n swab. F	Supply Bo Crew Bo =0psi =6300' M	pat Name: pat Name: Made to 80	00' short r	uns. Drun	n sproket	chain	Activation Activation	Time Su vity Mob	URE	74 7.5
OPERAT TI FROM 0600 0700 0715 0730 1000	TIONS SU ME TO 0700 0715 0730	HOUR 1.0 0.3 0.3	Time Code 28 28 28 15 28	Boats: WO crev Start rig Made 1s jumped Fix spro Finished 2nd run.	w . TP=0 st swab off ket chair d pulling . FL=630	psi, CPrun. FL=	Supply Bo Crew Bo =0psi =6300' M	pat Name: pat Name:	00' short r	uns. Drun	n sproket	chain	Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling	Time Su vity Mob all Work	URE	74 7.5
OPERATOR TO THE PROMETER OF TH	TIONS SU ME TO 0700 0715 0730 1000 1030 1130	MMARY HOUR 1.0 0.3 0.3 2.5 0.5 1.0	Time Code 28 28 28 15 28 28	Boats: WO crev Start rig Made 1s jumped Fix spro Finished 2nd run. Shut doo	w . TP=0 st swab off ket chair d pulling . FL=630 wn for 1	psi, CP: run. FL: n swab. F)0', Rec	Supply Bo Crew Bo =0psi =6300' M Rec 2 bbl	pat Name: pat Name: Made to 80 ls. Fluid. N	00' short r	uns. Drun	n sproket	chain	Active 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip	Time Su vity Mob all Work	URE	74 7.5
OPERAT THE FROM 0600 0700 0715 0730 1000 1030 1130 1230 1300	ME TO 0700 0715 0730 1000 1030 1130 1230 1300 1400	MMARY HOUR 1.0 0.3 0.3 2.5 0.5 1.0 1.0	Time Code 28 28 28 28 15 28 28 28 28	Boats: WO cree Start rig Made 1s jumped Fix spro Finished 2nd run. Shut dow 3rd swal Shut dow	w . TP=0 st swab off ket chair pulling . FL=630 wn for 1 b run, Fl	psi, CP: run. FL: n swab. F 00', Rec hr _=6300' hr	Supply Bo Crew Bo =0psi =6300' M Rec 2 bbl . 1 bbl flu	pat Name: pat Name: Made to 80 ls. Fluid. Nuid. Fluid bbl fluid	00' short r No gas dark in co	uns. Drun olor w/ trad	n sproket	chain	Active 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing	Time Su vity Mob all Work	URE	74 7.5
0PERAT TI FROM 0600 0700 0715 0730 1000 1030 1130 1230 1300 1400	TO 0700 0715 0730 1000 1130 1230 1300 1400 1500	MMARY HOUR 1.0 0.3 0.3 2.5 0.5 1.0 1.0 0.5 1.0	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO crev Start rig Made 1s jumped Fix spro Finished 2nd run. Shut doo 3rd swal Shut dov 4th run.	w . TP=0 st swab off ket chain j pulling .FL=630 wn for 1 b run, Fl wn for 1 FL=650	psi, CP: run. FL= n swab. F 00'. Rec hr =6300' hr	Supply Bo Crew Bo =0psi =6300' M Rec 2 bbl . 1 bbl flu	pat Name: pat Name: Made to 80 ls. Fluid. N	00' short r No gas dark in co	uns. Drun olor w/ trad	n sproket	chain	Active 1. Mob/Delve 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip	Time Su vity Mob all Work	URE	74 7.5
0PERAT Tr FROM 0600 0700 0715 0730 1000 1030 1130 1230 1300 1400 1500	TO 0700 0715 0730 1000 1300 1400 1500 1600	MMARY HOUR 1.0 0.3 0.3 0.3 2.5 0.5 1.0 1.0 0.5 1.0 1.0	Time Code 28 28 28 28 15 28 28 28 28 28 28 28	Boats: WO crev Start rig Made 1s jumped Fix spro Finishec 2nd run. Shut doo 3rd swal Shut doo 4th run. Shut doo	w . TP=0 st swab to off ket chain d pulling . FL=630 wn for 1 b run, FL wn for 1 FL= 650 wn for 1	psi, CP ² run. FL ² n swab. F 00'. Rec hr _=6300' hr 00'. Mac hr	Supply Bo Crew Bo =0psi =6300' M Rec 2 bbl :. 1 bbl flu '. Rec. 1	pat Name: pat Name: Made to 80 ls. Fluid. N uid. Fluid bbl fluid	00' short r No gas dark in co	uns. Drun olor w/ trad	n sproket	chain	Active 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cm	Time Su vity Mob all Work pe	URE	74 7.5
0PERAT TI FROM 0600 0700 0715 0730 1000 1030 1130 1230 1300 1400	TO 0700 0715 0730 1000 1130 1230 1300 1400 1500	MMARY HOUR 1.0 0.3 0.3 0.3 2.5 0.5 1.0 1.0 0.5 1.0 1.0 0.5	Time Code 28 28 28 28 15 28 28 28 28 28 28 28 28 28 28	Boats: WO crev Start rig Made 1s jumped Fix spro Finishec 2nd run. Shut dox 3rd swal Shut dox 4th run. Shut dox 5th run.	w TP=0 st swab off ket chaid pulling FL=630 wn for 1 b run, FI wn for 1 FL= 650 wn for 1 FL= 650	psi, CPrun. FL: n swab. F bo'. Rec hr =6300' hr 00'. Mac hr	Supply Bo Crew Bo =0psi =6300' M Rec 2 bbl . 1 bbl flu	pat Name: pat Name: Made to 80 ls. Fluid. N uid. Fluid bbl fluid	00' short r No gas dark in co	uns. Drun olor w/ trad	n sproket	chain	Active 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cm 11. N.U./ N	Time Su vity Mob all Work De ing	URE	74 7.5 19.25
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0PERAT Tr FROM 0600 0700 0715 0730 1000 1030 1130 1230 1300 1400 1500 1600 1630	TIONS SU ME 1 TO 0700 0715 0730 1000 1030 1130 1230 1300 1400 1500 1600 1630 1700	MMARY HOUR 1.0 0.3 0.3 2.5 0.5 1.0 1.0 0.5 1.0 0.5 0.5	Time Code 28 28 28 28 15 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO crev Start rig Made 1s jumped Fix spro Finishec 2nd run. Shut doo 3rd swal Shut doo 4th run. Shut doo 5th run. Shut doo 6th swat settles o	w . TP=0 st swab to off ket chain d pulling . FL=630 wn for 1 FL= 650 wn for 1 FL= 650 wn for 1/ o run FL ut of fluit	psi, CPrun. FL= n swab. F bo'. Rec hr =6300' hr 00'. Mac hr 0'. No 2 hr =6400'.	Supply Bo Crew Bo =0psi =6300' M Rec 2 bbl :. 1 bbl flu '. Rec. 1 de two 80	pat Name: pat Na	00' short r No gas dark in co	uns. Drun olor w/ trac	n sproket	chain	Active Active 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cm 11. N.U./ N. 12. P.U./L. 13. P.U./L. 14. R/U; R/I	Time Su vity Mob lad Work be ing ht./LOT .D. D. BHA D. Pipe	mmary Daily	74 7.5 19.25 0.5 3 13.25
0PERAT Tr FROM 0600 0700 0715 0730 1000 1030 1130 1230 1300 1400 1500 1600 1630	TIONS SU ME 1 TO 0700 0715 0730 1000 1030 1130 1230 1300 1400 1500 1600 1630 1700	MMARY HOUR 1.0 0.3 0.3 2.5 0.5 1.0 1.0 0.5 1.0 0.5 0.5	Time Code 28 28 28 28 15 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO crev Start rig Made 1s jumped Fix spro Finishec 2nd run. Shut doo 3rd swal Shut doo 4th run. Shut doo 5th run. Shut doo 6th swat settles o	w . TP=0 st swab to off ket chain d pulling . FL=630 wn for 1 FL= 650 wn for 1 FL= 650 wn for 1/ o run FL ut of fluit	psi, CPrun. FL= n swab. F bo'. Rec hr =6300' hr 00'. Mac hr 0'. No 2 hr =6400'.	Supply Bo Crew Bo =0psi =6300' M Rec 2 bbl fil. 1 bbl fil. 2 Rec. 1 de two 80 fluid recc. Rec .5	pat Name: pat Na	00' short r No gas dark in co	uns. Drun olor w/ trac	n sproket	chain	Active 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circu 10. Drill Cm 11. N.U./ N. 12. P.U./L.I. 13. P.U./L.I.	Time Su vity Mob lal Work ling ht./LOT D. D. BHA D. Pipe D Dair	URE	74 7.5 19.25 0.5 3 13.25
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0PERAT Tr FROM 0600 0700 0715 0730 1000 1030 1130 1230 1300 1400 1500 1600 1630	TIONS SU ME 1 TO 0700 0715 0730 1000 1030 1130 1230 1300 1400 1500 1600 1630 1700	MMARY HOUR 1.0 0.3 0.3 2.5 0.5 1.0 1.0 0.5 1.0 0.5 0.5	Time Code 28 28 28 28 15 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO crev Start rig Made 1s jumped Fix spro Finishec 2nd run. Shut doo 3rd swal Shut doo 4th run. Shut doo 5th run. Shut doo 6th swat settles o	w . TP=0 st swab to off ket chain d pulling . FL=630 wn for 1 FL= 650 wn for 1 FL= 650 wn for 1/ o run FL ut of fluit	psi, CPrun. FL= n swab. F bo'. Rec hr =6300' hr 00'. Mac hr 0'. No 2 hr =6400'.	Supply Bo Crew Bo =0psi =6300' M Rec 2 bbl fil. 1 bbl fil. 2 Rec. 1 de two 80 fluid recc. Rec .5	pat Name: pat Na	00' short r No gas dark in co	uns. Drun olor w/ trac	n sproket	chain	Active Active 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cm 11. N.U./ N. 12. P.U./L.I 13. P.U./L.I 14. R/U; R/I 15. Rig Rep 16. Run Cat 17. Service 18. Sidetrac	Time Su vity Mob all Work be ing t./LOT .D. D. BHA D. Pipe Deair sing Rig sk Op.	mmary Daily	74 7.5 19.25 0.5 3 13.25 10 21.25
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0PERAT Tr FROM 0600 0700 0715 0730 1000 1030 1130 1230 1300 1400 1500 1600 1630	TIONS SU ME 1 TO 0700 0715 0730 1000 1030 1130 1230 1300 1400 1500 1600 1630 1700	MMARY HOUR 1.0 0.3 0.3 2.5 0.5 1.0 1.0 0.5 1.0 0.5 0.5	Time Code 28 28 28 28 15 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO crev Start rig Made 1s jumped Fix spro Finishec 2nd run. Shut doo 3rd swal Shut doo 4th run. Shut doo 5th run. Shut doo 6th swat settles o	w . TP=0 st swab to off ket chain d pulling . FL=630 wn for 1 FL= 650 wn for 1 FL= 650 wn for 1/ o run FL ut of fluit	psi, CPrun. FL= n swab. F bo'. Rec hr =6300' hr 00'. Mac hr 0'. No 2 hr =6400'.	Supply Bo Crew Bo =0psi =6300' M Rec 2 bbl fil. 1 bbl fil. 2 Rec. 1 de two 80 fluid recc. Rec .5	pat Name: pat Na	00' short r No gas dark in co	uns. Drun olor w/ trac	n sproket	chain	Active 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circulate 10. Drill Cm 11. N.U./ N. 12. P.U./L.I 13. P.U./L.I 14. R/U; R/I 15. Rig Rep 16. Run Cat 17. Service 18. Sidetrac 19. Stuck Pi 20. Survey 21. Trips	Time Survity Mob all Work ing int/LOT D. BHA D. Pipe Deair sing Rig sk Op.	mmary Daily	74 7.5 19.25 0.5 3 13.25 10 21.25 8.5
0PERAT Tr FROM 0600 0700 0715 0730 1000 1030 1130 1230 1300 1400 1500 1600 1630	TIONS SU ME 1 TO 0700 0715 0730 1000 1030 1130 1230 1300 1400 1500 1600 1630 1700	MMARY HOUR 1.0 0.3 0.3 2.5 0.5 1.0 1.0 0.5 1.0 0.5 0.5	Time Code 28 28 28 28 15 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO crev Start rig Made 1s jumped Fix spro Finishec 2nd run. Shut doo 3rd swal Shut doo 4th run. Shut doo 5th run. Shut doo 6th swat settles o	w . TP=0 st swab to off ket chain d pulling . FL=630 wn for 1 FL= 650 wn for 1 FL= 650 wn for 1/ o run FL ut of fluit	psi, CPrun. FL= n swab. F bo'. Rec hr =6300' hr 00'. Mac hr 0'. No 2 hr =6400'.	Supply Bo Crew Bo =0psi =6300' M Rec 2 bbl fil. 1 bbl fil. 2 Rec. 1 de two 80 fluid recc. Rec .5	pat Name: pat Na	00' short r No gas dark in co	uns. Drun olor w/ trac	n sproket	chain	Active 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circulate 10. Drill Crr 11. N.U./ N. 12. P.U./L.I 13. P.U./L.I 14. R/U; R/I 15. Rig Rep 16. Run Cat 17. Service 18. Sidetrac 19. Stuck Pi 20. Survey 21. Trips 22. Tst. BOI	Time Survity Mob all Work ing int/LOT D. BHA D. Pipe Deair sing Rig sk Op.	mmary Daily	74 7.5 19.25 0.5 3 13.25 10 21.25 8.5
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0PERAT Tr FROM 0600 0700 0715 0730 1000 1030 1130 1230 1300 1400 1500 1600 1630	TIONS SU ME 1 TO 0700 0715 0730 1000 1030 1130 1230 1300 1400 1500 1600 1630 1700	MMARY HOUR 1.0 0.3 0.3 0.3 2.5 0.5 1.0 1.0 0.5 1.0 0.5 0.5	Time Code 28 28 28 28 15 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO crev Start rig Made 1s jumped Fix spro Finishec 2nd run. Shut doo 3rd swal Shut doo 4th run. Shut doo 5th run. Shut doo 6th swat settles o	w . TP=0 st swab to off ket chain d pulling . FL=630 wn for 1 FL= 650 wn for 1 FL= 650 wn for 1/ o run FL ut of fluit	psi, CPrun. FL= n swab. F bo'. Rec hr =6300' hr 00'. Mac hr 0'. No 2 hr =6400'.	Supply Bo Crew Bo =0psi =6300' M Rec 2 bbl fil. 1 bbl fil. 2 Rec. 1 de two 80 fluid recc. Rec .5	pat Name: pat Na	00' short r No gas dark in co	uns. Drun olor w/ trac	n sproket	chain	Active 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circulate 10. Drill Cm 11. N.U./ N. 12. P.U./L.I 13. P.U./L.I 14. R/U; R/I 15. Rig Rep 16. Run Ca 17. Service 18. Sidetrac 19. Stuck Pi 20. Survey 21. Trips 22. Tst. BOI 23. UR/HO 24. W.O.W. 25. Wash & 26. Well Coi	Time Su vity Mob all Work ing int/LOT D. BHA D. Pipe Dair sing Rig ck Op. ipe	mmary Daily	74 7.5 19.25 0.5 3 13.25 10 21.25 8.5
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	Bloc	k. Lease and Well N	lo.	Contract Rig			Date on Location	Comp. Date	Report Date		
	N. Thor	npson - State MSC	#16-1	Leede Energy #692			10/18/2004	Oct 18, 2004	Nov 8, 2004		
MD	IVD	Footage	AFE No.	AFE Amount	Auth. TD.		Compan	y Representative			
8,163	8,163	PBTD	1	\$350,000		8,700'		Norm Woods			
Present Operation				Rig Phone:	2	54-241-53	17 <u>Toolpusl</u>	Toolpusher			
		Shutdown		Rig Fax:				Allen Cermack	<u>.</u>		

			t Operatio utdown	<u> </u>			Rig Phon Rig Fax:	B:	25	54-241-531	7	Foolpush A	<u>er</u> Allen Cermaci	k		
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Current v Wind:	Veather	MMS	Visit No		Sample [Date		rator			0/18/2004		RKB	THIS ELLY		ft
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Sky:		лю: -		Pass?	Yes	No		vice					RKB-CHF			ft
	RECORD															
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OPERAT TI FROM	TIONS SU	MMARY	Time	Boats:			Supply E	Boat Name			vs	DL	Aci 1. Mob/De 2. Cemen 3. Circula 4. Directic	Time S tivity eMob t te onal Work	SURE	74 7.5
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DPERAT TI FROM	TIONS SU	MMARY	Time	Boats:			Supply E	Boat Name			VS		Status: Act 1. Mob/De 2. Cemen 3. Circula 4. Directic 5. Drilling 6. Drive F 7. Fishing 8. OH Log 9. Lost Ci 10. Drill C 11. N.U./ 12. P.U./I 13. P.U./I 15. Rig R 16. Run C 17. Servi 18. Sidet 19. Stuck 20. Surve 21. Trips 22. Tst. E 23. UR/H 24. W.O.	Time Stivity eMob tte conal Work Pipe I gging rrc. mt./LOT N.D. D. BHA D. Pipe R/D tepair Casing ce Rig rack Op. (Pipe ey SOPs	SURE	74 7.5 19.25 0.5 3 13.25 10 21.25 8.5
DPERAT TI FROM	TIONS SU	MMARY	Time	Boats:			Supply E	Boat Name			VS		Status: Act 1. Mob/De 2. Cemen 3. Circula 4. Directic 5. Drilling 6. Drive F 7. Fishing 8. OH Log 9. Lost Ci 10. Drill C 11. N.U./ 12. P.U./I 13. P.U./I 15. Rig R 16. Run C 17. Servi 18. Sidet 19. Stuck 20. Surve 21. Trips 22. Tst. E 23. UR/H 24. W.O.	Time Stivity eMob tte bnal Work Pipe I gging rc. mt./LOT N.D. D. BHA D. Pipe R/D tepair Casing ce Rig rack Op. (Pipe ey SOPs IO W. 1 & Ream	SURE	74 7.5 19.25 0.5 3 13.25 10 21.25 8.5
DPERAT TI FROM	TIONS SU	MMARY	Time	Boats:			Supply E	Boat Name			VS		Status: Act 1. Mob/De 2. Cemen 3. Circula 4. Directic 5. Drilling 6. Drive F 7. Fishing 8. OH Log 9. Lost Ci 10. Drill C 11. N.U./ 12. P.U./I 13. P.U./I 15. Rig R 16. Run C 17. Servi 18. Sidet 19. Stuck 20. Surve 21. Trips 22. Tst. E 23. UR/H 24. W.O. 25. Wash 26. Well 27. WOO	Time Stivity eMob tte bnal Work Pipe I gging rrc. Tht./LOT N.D. BHA D. Pipe R/D tepair Casing ce Rig rack Op. Pipe ey SOPs OW The Ream Control	SURE	74 7.5 19.25 0.5 3 13.25 10 21.25 8.5 0.5 0.5
DPERAT TI FROM	TIONS SU	MMARY	Time	Boats:			Supply E	Boat Name			VS		Status: Act 1. Mob/Do 2. Cemen 3. Circula 4. Directic 5. Drilling 6. Drive F 7. Fishing 8. OH Log 9. Lost Ci 10. Drill C 11. N.U./ 12. P.U./I 13. P.U./I 15. Rig R 16. Run C 17. Servi 18. Sidet 19. Stuck 20. Surve 21. Trips 22. Tst. E 23. UR/H 24. W.O. 25. Wash 26. Well 27. WOC 28. Other	Time Stivity eMob tte bnal Work Pipe I gging rrc. Tht./LOT N.D. BHA D. Pipe R/D tepair Casing ce Rig rack Op. Pipe ey SOPs OW The Ream Control	SURE	74 7.5 19.25 0.5 3 13.25 10 21.25 8.5 33.75
DPERATI FROM 0600	AID FIONS SU ME TO 0600	MMARY	Time	Boats:			Supply E	Boat Name			vs I		Status: Act 1. Mob/De 2. Cemen 3. Circula 4. Directic 5. Drilling 6. Drive F 7. Fishing 8. OH Log 9. Lost Ci 10. Drill C 11. N.U./ 12. P.U./I 13. P.U./I 15. Rig R 16. Run C 17. Servi 18. Sidet 19. Stuck 20. Surve 21. Trips 22. Tst. E 23. UR/H 24. W.O. 25. Wash 26. Well 27. WOO	Time Stivity eMob tte bnal Work Pipe I gging rrc. Tht./LOT N.D. BHA D. Pipe R/D tepair Casing ce Rig rack Op. Pipe ey SOPs OW The Ream Control	SURE	74 7.5 19.25 0.5 3 13.25 10 21.25 8.5 33.75
DPERAT TI FROM 0600	ITONS SUMME TO 0600	MMARY	Time Code	Boats: Shut d		safety tr	Supply E Crew E raining fo	Boat Name Boat Name or rig crew			VS		Status: Ac: 1. Mob/De 2. Cemen 3. Circula 4. Directic 5. Drilling 6. Drive F 7. Fishing 8. OH Log 9. Lost Ci 10. Drill C 11. N.U./ 12. P.U.// 13. P.U.// 15. Rig R 16. Run C 17. Servi 18. Sidet 19. Stuck 20. Surve 21. Trips 22. Tst. E 23. UR/H 24. W.O. 25. Wash 26. Well 27. WOC 28. Other Total	Time S tivity eMob tte conal Work Pipe Lagging Irc. Cmt./LOT N.D. D. Pipe R/D Lepair Casing ce Rig rack Op. Ripe By BOPs O W. A Ream Control	SURE	74 7.5 19.25 0.5 3 13.25 10 21.25 8.5 33.75
DOPERATI FROM 0600	AID FIONS SU ME TO 0600	MMARY	Time Code	Boats:		safety tr	Supply E Crew E raining fo	Boat Name Boat Name or rig crew		SX	vs		Status: Ac: 1. Mob/De 2. Cemen 3. Circula 4. Directic 5. Drilling 6. Drive F 7. Fishing 8. OH Log 9. Lost Ci 10. Drill C 11. N.U./ 12. P.U./I 13. P.U./I 15. Rig R 16. Run C 17. Servi 18. Sidet 19. Stuck 20. Surve 21. Trips 22. Tst. E 23. UR/H 24. W.O. 25. Wash 26. Well 27. WOC 28. Other Total	Time Stivity eMob t tee onal Work Pipe Ggging irc. Cmt./LOT N.D. D. BHA D. Pipe R/D Casing ce Rig rack Op. CPipe Ay SOPS IO W. D. & Ream Control Control ST	SURE	74 7.5 19.25 0.5 3 13.25 10 21.25 8.5 33.75 0.5 0.5

PPI Technology Services **MSC Exploration Daily Completion Report** Block, Lease and Well No. Contract Rig DOL DFC Date on Location Comp. Date Report Date 10/18/2004 N. Thompson - State MSC #16-1 Leede Energy #692 Oct 18, 2004 Nov. 7, 2004 MD TVD Footage AFE No. AFE Amount Auth. TD. Company Representative 8,163 | 8,163 8,700 PBTD \$350,000 Norm Woods Present Operation 254-241-5317 Toolpusher Shutdown Rig Fax: Allen Cermack MMS Visit NPDES BOP Test Date Current Weather RIG ELEVATIONS People on Loc. Wind Yes LC50 Sample Date Operator 10/18/2004 RKB 15 ext BOP Test Date Water Depth ft RKB-CHF Skv: ☐ No Pass? ☐Yes ☐ No CASING RECORD ΟD Jts. Run Casing String DV Tool MW when LOT EMW Setting Depth TVD MD Run Conductor 16 100 100 8 5/8 STC Surface **J55** 505 505 Production 5 1/2" 17 L80 LTC 196 8,690 8,690 5,512 5,512 8.9 BIT, WEIGHT, SPEED AND HYDRAULICS RECORD Bit Type and Manufacturer Avg ROP Total Grade No Footage Bearing Gage Cum, ROT, Hrs Bit Remarks: Slow Pump Pressures Pump #1 | Pump #2 | Pump #3 Stroke X Lines Output SPM SPM Speed gps DÇ 1/2 BHA 131.78' Description: Length MUD DATA WT. VIS PV YP GELS HTHP CAKE SLDS % LGS % OIL % WL SD % Pf/Mf Shaker Screens Chlorides Temp Temp Mud Company Desand Cent \$7,031 Mike Welke Anchor DIRECTIONAL SURVEYS MD CLOSURE OPERATIONS SUMMARY TIME Boats: Supply Boat Name FROM HOUR Crew Boat Name Status: 0600 0600 Shut down for safety training for rig crew Time Summan Activity Daily 1. Mob/DeMob 74 2. Cement 7.5 Circulate 19.25 4. Directional Work 5. Drilling 6. Drive Pipe 7. Fishing 8. OH Logging 9. Lost Circ. 10. Drill Cmt./LOT 11. N.U./ N.D. 0.5 12. P.U./L.D. BHA 3 13. P.U./L.D. Pipe 13.25 14. R/U; R/D 10 15. Rig Repair 21.25 Run Casing 8.5 17. Service Rig

Total Hours Rig Downtime

Fuel Usage

801.5

Bbls

Bulk Material on Board

RECEIVED

SX

Previous Cost

18. Sidetrack Op 19. Stuck Pipe 20. Survey 21. Trips

22. Tst. BOPs 23. UR/HO 24. W.O.W.

25. Wash & Ream

\$470,996

\$471.856

26. Well Control 27. WOC 28. Other 33.75

0.5

0.5

135 327

PPI Technology

	Servi	COR		uny comp			P		
				Contract Rig	DOL	DFC	Date on Location	Comp. Date	Report Date
	Bloc	k, Lease and Well N	<u>o.</u>					Oct 18, 2004	Nov 10, 2004
	N. Thor	mpson - State MSC	#16-1	Leede Energy #692	23	32	10/18/2004		1484 10, 2004
140		Footage	AFE No.	AFE Amount	Auth, TD,		Compa	ny Representative	
MD	TVD		<u> </u>			8.700		Norm Woods	
8.163	8,163	PBTD		\$350,000	<u> </u>				
		Present Operati	on	Rig Phone:	2	54-241-53	17 <u>Toolpus</u>	sher	
ĺ				Dia Farri				Allen Cermack	
1		Swabbing 6858 - 68	l' perts	Rig Fax:					

163 8	B,163	PB	nt Operation	nn	i		Rig Phone		25	54-241-531	7	Toolpush	er			
		<u>الوجوا</u> Swabbing					Rig Fax:					Α	ilen Cermac	k		
		0								505 ÷	5.4.			RIG ELEV	ATIONS	
urrent W	eather	MMS	The second second second		NPDES		People			BOP Test	0/18/2004		RKB	NO LLLY	15	ft
/ind:		Yes	No Yes	<u> </u>	Sample	Date	Oper			Next BOP			Water Depti	1		ft
eas: Sky:		Incs?		Pass?	Yes	□No	Ser						RKB-CHF			ft
SING R	ECORD							D	Cotting	Depth	DV	Tool	MW when		LOT	
Ca	sing Stri	ng	OD	Wt.	Grade	Conn.	Jts.	Run	MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff
nductor			16"		LP	w			100'	100'						
rface			8 5/8"	24	J55	STC		2	505'	505' 8,690'	5,512'	5,512'	Air 8.9			
oduction			5 1/2"	17	L80	LTC	19	96	8,690'	0,090	5,512	3,312	0.0			
			 		 											
												 				
T WEIG	UT COL	ED AND	LVDBAU	ICS RE	CORD	<u> </u>	<u></u>				1	<u> </u>				
BIT	н, эг		pe and	1		Т			Total				Avg ROP	Tooth	Grade Bearing	Gage
No	Size	Manut	acturer	Serial	Number	J	lets	Depth In	Footage	Hrs	WOB	Rpm	NO!	100		
				 		┼─				<u> </u>						1
Bit Rem	narks:			<u> </u>			Cum. F	ROT, Hrs	PL	J Wt	SO) Wt	RO	ΤWt	10	rque
												T	 	Slow	Pump Pre	ssures
ump No.	Strok	e X Liner	Output	SPM	GPM	Pre	ssure	J٧	Pb		AV	Speed	SPM	Pump #1	Pump #2	Pump #
			gps	<u> </u>						DC	DP	1/4	 	 -		+
1				<u> </u>					 	+	-	3/4				
2 HA																
	131.78	Desc	ription:	T												
UD DAT	FA															
ING DAT	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	мвт	pН	Pm	Pf/Mi
İΤ		7.0												 		+
						<u> </u>			<u> </u>							
					Smpl	T F.L.			1				T			
1	Cr	nlorides)a++	Temp		Shake	r Screens	and the later of t	المستحدين والمستح	Mud Engir	neer			Mud Comp	any
TT.							#1	#2	Desand	Cent.	┥	Mike Wel	ker		Ancho	
							#3	#4	Desilt	Mud Cl	Daily Co			C	umulative	
											Τ				\$7,031	
		URVEYS	TVD	A	NGLE	Тр	rection	Coo	rdinates		vs	DL		CLO	SURE	
IVI	1D	+														
	ME	UMMARY	Time	Boats	:		Supply	Boat Name	ə:			_	Status: Status:			
FROM	ТО	HOU	R Code	•			Crew	Boat Name	ə:				Status.	Time S	Summary	
0600	0700		28	WO (rig. TP=	O nei (CP ∩ nei						- A	ctivity	Daily	
0700 0715	0715 0815		28 28	Start	ng. IF-	et run	=1 = 6000	Rec 4 b	obis. Wea	ak show o	f gas.		1. Mob/E	eMob		74
0713	1 0013	1.0	- 20	2nd r	run. FL =	6400'. !	Made 2 s	hort runs,	Rec 4 bt	ols of fluid	, slight ga	s	2. Ceme	nt		7.5
0815	0915	1.0	28	Gas	show wh	ile swat	bing, SI	NI for 1 h	r.				3. Circul		_	19.2
0915	1015		28	3rd s	wab run	FL= 65	00'. Mad	de 2 short	runs, we	ll not gasi	ng. No flu	id		ional Work		
1015	1115				for 1 hr.								5. Drillin 6. Drive			
1115	1145						Rec. 1 bb	ls.					7. Fishin			
1145	1245			SWI	for 1 hr.	ee001 \	Mall on a	vacuum	Made 3 s	hc			8. OH L			
1245 1315	1315				for 1 hr.		ven on a	vacuum.	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				9. Lost 0			
1415	1500						Made 2 s	hort runs.	No reco	very				Cmt./LOT		
1500	1600			swi	for 1 hr.								11. N.U.			0.5
1600	164									blow. R	ecovered	1 bbl		/L.D. BHA	 	13.3
1645	1700	0.3	28	Tota	recover	ed toda	y 10 bbls	. SWI, SI	DFN				13. P.U.	/L.D. Pipe		10
	<u> </u>												15. Rig			21.
	<u> </u>													Casing		8.
					····									vice Rig		
	-													track Op.		
	 												19. Stud	k Pipe		
	+-	+-											20. Sur			
	1												21. Trip			33.
													22. Tst.		_	
													23. UR/			0.
													24. W.C	o.w. sh & Ream		0.
			_											I Control	+	
				\dashv									27. WC			
				+-				-					28. Oth		11	
	+-		-										Tota	1	11	349
Tota	al Hours	11	0									15	eve Cest		479,792	
	Downtim	е	Fu	el Usage			Material	on Board		ev	.,		ous Cost Cost		\$5,517	
Daily		Daily			Bbls	Cen	nent:			SX			Cost		485,309	



	Tec Ser	hnolog vices	gy .		[Dail	v C	omp	letic	n R	'' epo	rt				
	E	Block, Lease	and Wel				Contrac	t Rig	DOL	DFC	Date	on Locatio	<u>Com</u>	p. Date	Rep	ort Date
MD	TVD	hompson - Fo	otage		E No.	Le	ede Ener AFE Am		22 Auth. TD	31	10	/18/2004 Compa	Oct 1	8, 2004 tative	Nov	9, 2004
8,163	8,163		BTD ent Opera	ation	· · · · · ·		\$350,0 Rig Pho			8,700' 254-241-5	217		Norm Woo			
<u>L</u>			pare to sv				Rig Fax			204-241-5	317	Toolpus	Allen Cerma	ack		
Currer	t Weathe	er MM	S Visit		NPDES	<u> </u>	People	e on Loc.:	<u> </u>	BOP Tes	t Date		1	RIG ELE	VATIONS	
Wind: Seas:		Yes			0 Sample	Date Date		perator otractor		Next BO	10/18/20		RKB		15	ft
Sky:				o Pass?	□Yes	□No		ervice		Next BO	PlestD	ate	Water Dep RKB-CHF	oth		ft
CASING	Casing S		T OD	Wt.	Grade	Conn.	Jts	s. Run	Settin	g Depth	Т г	V Tool	MW when		107	
Conduc	tor		16"		LP	W			MD	TVD	MD	TVD	Run	Pres	LOT EMW	Leakoff?
Surface			8 5/8'		J55	STC		12	100' 505'	100' 505'	 _		Air		-	
Product	ion		5 1/2'	17	L80	LTC	ļ	196	8,690'	8,690'	5,512	5,512	8.9			
BIT WE	IGHT S	PEED AND	HYDEAL	IL ICE DE	COPP											
BIT	1	Bit Ty	pe and	1				Τ	Total	<u> </u>	T	T	Avg		Grade	
No	Size	Manu	facturer	Serial	Number	 	Jets	Depth in	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
Bit R	emarks:						I Cum I	BOT Has		_						
						,	Cum. I	ROT. Hrs	I PL	Wt	LS	O Wt	RO	T Wt	То	rque
Pump No.	Stro	ke X Liner	Outpu	SPM	GРM	Pre	ssure	JV	Pb		AV	Speed	SPM	Slow Pump #1	Pump Pre	Ssures
1	 		gps		1		···		1	DC	DP	1/4				. sinp #3
2	1											1/2 3/4		<u> </u>		
BHA Length:	131.78	Descr	ription:	T												
MUD DA												-				
PIT	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	МВТ	рН	Pm	Pf/Mf
			1		Smpl	F.L.			Γ				7			
PIT	Ch	lorides	C	a++	Temp	Temp	Shaker #1	Screens #2	Ho Desand	urs M	lud Engin	eer		<u> </u>	lud Compa	ny
												Mike Welk	er		Anchor	
							#3	#4	Desilt	Mud CI	Daily Co	st		Cu	mulative C \$7,031	ost
	ONAL S	URVEYS	/D	AN	GLE	Dire	ection	Coord	linates		s	T DL		CLOS		
														CLOS	ORE	
		MMARY										<u></u>	L			
FROM	ME TO	HOUR	Time Code	Boats:				oat Name: oat Name:				-	Status: Status:			
0600 0700	0700 0715	1.0	28 28	WO cre	w . TP= 0	: CD	0							Time Su	mmary	
0715	0745	0.5	28	Swab ru	ın FL =	3100'.	Rec 4 bi	bls fluid. (Chain slipp	ing on sp	rocket		Activate 1. Mob/Def		Daily	Cum.
0745	0815	0.5	28	2nd swa	ib run. F	L=3100	Rec 7	bbls fluid	made tot	al 5 runs.	FL=580	0'	2. Cement	VIOD		74 7.5
0815	1015	2.0	28	on final 6th swa				rted to ga	s at end o	f swah ru	n		 Circulate Direction 			19.25
1015 1115	1115 1215	1.0		Made dr	y run. L	ight flar	e at end	of run.					5. Drilling			
1215	1315	1.0	28 28	SDF 1 h 7th swal		L=6400	'. Rec 1/2	2 bbl fluid	. Flared ga	s. 1' 10	sec lite	Now	6. Drive Pip 7. Fishing	e		
1315 1415	1415 1445	1.0	28	SDF 1 h	r.						occ nie i		7. Fishing 8. OH Logg	ing		
1445	1545	0.5 1.0	28 28	8th swat SDF 1 h	r. Fl	L=6400'	. Well no	ot gasing.	Rec 1/2 b	bls fluid			9. Lost Circ			
1545 1615	1615	0.5	28	9th swat	run FL:	= 6400',	well on	vacuum					10. Drill Cm 11. N.U./ N			0.5
1645	1645 1715	0.5		SDF 1/2		1 @	ating =!-	nlo 14	0.2 0001				12. P.U./L.[D. BHA		3
				Shut wel	l in, Inst	د ربي se: alled TI\	ating nip V valve.	SDFN	e 3 - 800' :	snort runs	. No re		13. P.U./L.D 14. R/U; R/I			13.25 10
-													15. Rig Rep	air		21.25
													16. Run Ca: 17. Service			8.5
				Sent san	nple of re	covere	d water a	and solid	material re	covered	to BJ in		18. Sidetrac			=
									nendations				19. Stuck Pi 20. Survey	pe		
				Cactus R	lose loca	ition wil	l be work	ed on for	completio	n rig mov	e tomor		20. Survey 21. Trips		+	33.75
				чм. (Rar vork on r	oad or le	ast) Wil	ll rig dow tomorrov	n if rain d v.	oes not re	quire add	itional		22. Tst. BO	Ps .		
-													23. UR/HO 24. W.O.W.			0.5
												2	5. Wash &			0.5
													6. Well Cor	ntrol		
_+													8. Other		11.25	146.25
Total H		11.3	Ev-1**									[Total		11.25	338.25
aily		Daily	Fuel Usa	В	bis C	ulk Mate ement:	rial on Bo	ard	sx			Previous C Daily Cost	ost	\$472,7		
ım.		Cum.	801.	5 B	bls B	arite:						any cust		\$7,07	p	



111	Bloc	k, Lease and Well N	lo.	Contract Rig	DOL	DFC	Date on Location	Comp. Date	Report Date
	N. Thor	npson - State MSC	#16-1	Leede Energy #692	25	34	10/18/2004	Oct 18, 2004	Nov 12, 2004
MD	TVD	Footage	AFE No.	AFE Amount	Auth. TD.		Compan	y Representative	
8,163	8,163	PBTD		\$350,000	1	8,700'		Norm Woods	
		Present Operati	on	Rig Phone:	2	54-241-53	7 Toolpus	<u>ner</u>	
		Prep to break dowr	perfs	Rig Fax:				Allen Cermack	.,

		F	Present Prep to bre	ak down	_			Rig Flion	.)4-24 I-00 I		A P	dien Cermaci	ς		
Total Part C No C C No COS Service Cos C	weent \A	laathar T	MMS \	/ieit I		NPDES		Penole	on Loc		BOP Test	Date			RIG ELEV	ATIONS	
March Marc	/ind:	realiter					Date							RKB		15	
Carlos String	eas:			=							Next BOP	Test Date					
Camp String	sky:			No	Pass?	Yes	No	Sei	rvice	<u> </u>	<u> </u>			RKB-CHF			π
			ď	OD I	Wt	Grade	Conn.	Jts.	Run	Setting	Depth	DV 1	Tool	MW when		LOT	
	O.	asing Out	9							-		MD	TVD	Run	Pres	EMW	Leakoff
	nductor													A:-			
Chordes	rface						_					5.512'	5.512'				
See Page 2019	auction			3 1/2			2,0	·		0,002	0,000						
Section Sect																	
Section Sect										ļ	-	<u> </u>					
See Page 2019	WEIG	HT SPE	ED AND H	YDRAUL	ICS RE	CORD	L	·		L	l	L	<u> </u>	<u> </u>			
BERCHILDS	BIT	111, 0, 2							T					1 -			0
Stroke X Liner	No	Size	Manufa	cturer	Serial	Number	J	lets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
Stroke X Liner												<u> </u>					
Pressure	Bit Rem	narks:					L	Cum.	ROT. Hrs	PL	J Wt	so	Wt	RO1	Wt	To	rque
Stroke X Liner									7					ļ	Slow	Pump Pre	SSIIFAS
Secretarion Secretarion	mp No	Stroko	V Linne	Output	SPM	GPM -	Pre	ssure	JV.	Pb	4	W	Speed	SPM	Pump #1	Pump #2	Pump
12 3.4	140.	Stroke	A LINE	1 ' 1	0,,,,,	0,	1				DC	DP	1/4				
DOATA	1.					I								ļ			
Description:	_			Ī					<u> </u>	<u></u>	<u>. </u>	<u> </u>	3/4	<u> </u>	<u> </u>	L	
DATA	łA																
WT. VIS PV YP GELS WL HTHP CAKE SLOS % LOS % LOS % LOS % LOS % SD % MBT PH Pm PfM Pf	ength:	131.78	Descri	ption:	L												
WT. VIS PV YP GELS WL HTHP CAKE SLOS % OS % OL % SD % MBT pH Prim																	
WT. VIS PV YP GELS W. N. N. N. N. N. N. N.	UD DAT	ΓA															5
Chlorides		WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	рН	Pm	Pf/M
Chlorides	Τ					Ţ			<u> </u>			ļ	ļ	 			
Chlorides				1	<u> </u>	1	<u> </u>	1		.1	1	1		<u> </u>	<u></u>	<u> </u>	
Choloridas Cho				Т		Smpl	F.L.	т		T				T	1	_	
FERATIONS SUMMARY Time Boets Supply Boat Name: Status: Time Summary Activity Daily Country Daily C		Chlo	rides	Ci	B++	Temp	Temp					Mud Engine	eer	1	N	Aud Comp	any
F3						Ţ	1	#1	#2	Desand	Cent.	-	Mike Wal	kar	1	Anchor	
S7,031 S7,000 S7,031 S7,031 S7,000 S7,031 S7,000 S7,031 S7,000 S7,031 S7,000 S7,031 S7,000 S7,031 S7,000 S7,031 S7,000 S7,031 S7,000 S		l		1		<u>.i</u>	<u> </u>	#3	#4	Desilt	Mud CI			1	C	umulative	Cost
PERATIONS SUMMARY TIME Sobort Supply Boat Name: Status:													Ϊ			\$7,031	
PERATIONS SUMMARY TIME Rods Supply Boat Name; Status;	IRECTION	ONAL SU											T 51	_	CLOS	SHIPE	
TIME TO HOUR Code Crew Boat Name: Status:	М	ID	1/	/D	Al	NGLE	Di	rection	Cool	rdinates		VS	DL	+	CLO	JUNE	
TIME TO HOUR Code Crew Boat Name: Status:					 		+		 		 	 	 	 			
TIME TO HOUR Code Crew Boat Name: Status:	DEDAT	IONS SU	MMARY		ــــــــــــــــــــــــــــــــــــــ										_		
Note 100				Time	Boats:												
O700 O715 O.3 28 Start rig. TP= 10 psi. CP=10 psi. Rig up swab Activity Daily Cun O715 O.3 28 Start rig. TP= 10 psi. CP=10 psi. Rig up swab Activity Daily Cun O715	FROM		HOUR					Crew	Boat Name	9:				Status:	Time S	umman/	
1000 0715 0.83	0600				WO c	rew	40 ·	00.40	: Di:					\vdash			Cun
1				_							bblo fluid					1	
19.2 19.2	0715	0830	1.3	28	1st sw	ab run.	+L= 630	POO' at	not gasin	Poc 1 bb	I fluid No	1026				1	
1000 1,3 28 AT 0845 hrs. Orders to set packer and break down form 4. Directional Work	0000	0045		 			400'. 3	- 800 sr	iort runs.	Kec i bb	Hulu. NC	yas					
100			+				Ordom	to set or	cker and	break dov	vn form						
Surfactant. LD 2 jts tubing. Set packer at 6764' w/ 20k tension	0845	1000	1.3	28	ATU	45 RFS.	GR' W	6% KCI	water an	d Hallibur	ton A-19 l	ron Chlor	ide			1	1
RU rig pump to pump break down fluid. 7. Fishing 1000 1430 145 28 WO A-19 material to be delivered 8. OH Logging 1430 1500 0.5 28 RU 2 7/8" swab. 3 rd swab run. FL=6300' Rec 1 bbl fluid. No gas 9. Lost Circ. 1500 1545 0.8 28 SWI for 45 min 10. Drill Cmt/LOT 1545 1615 0.5 28 4th swab run. FL=6400'. Made 3 short runs. Rec 1 bbl fluid. Well not gasing 11. N.U./ N.D. 0.5 1615 1700 0.8 28 SWI for 45 min 12. P.U./L.D. BHA 3. 3. 1700 1730 0.5 28 6th swab run. FL=6400'. Made 3 short runs. Rec. no fluid 13. P.U./L.D. BHA 3. 3. 1700 1730 0.5 28 6th swab run. FL=6400' Made 3 short runs. Rec. no fluid 13. P.U./L.D. Pipe 13. 13. 15. Rig Repair 21. 16. Run Casing 8. 17. Service Rig 15. Rig Repair 21. 16. Run Casing 8. 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 33. 22. Tst. BOPs 22. Tst. BOPs 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0. 25. Wash & Ream 0. 26. Well Control 27. WOC 28. Other 11.5 179 1701 11.5 371 1701		 	 	╂	peris	at oooo	- 00 W/	ubing S	et nacker	at 6764's	w/ 20k ten	sion					
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SWI SDFN Total fluid rec today 5 bbls				_	6th sv	vab run.	FL= 64				. no fluid					 	
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24, W.O.W. 0.			<u> </u>														+-
25. Wash & Ream 0.		<u> </u>		_	4—											+	1
26. Well Control		ļ														-	
27. WOC			<u> </u>													+	- '
28. Other		\bot		4												+	
Total Hours 11.5		 	_													11.5	179
Total Hours 11.5 Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$490,826 Daily Daily Bbls Cement: sx Daily Cost \$5,565			_														
Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$490,826 Daily Daily Bbls Cement: sx Daily Cost \$5,565	Tele	il House	112	-										Total			
Daily Daily Bbls Cement: sx Daily Cost \$5,565			11.5	Fuel	Usage		Bulk	Material o	on Board								
Cum Cock \$496.301		3	Daily	1		Bbls	Cem	ent:									
					801.5		Barit	e:			SX		Cum.	Cost	\$4	96,391	

PPI Technology Services Block, Lease and Well No.

MSC Exploration

Daily Completion Report

Contract Rig DOL DEC Date on Lo

		hompson - S					ede Energ	**	24	33	10/1/	8/2004	Oct 18	8, 2004		11, 2004
MD 8,163	TVD 8,163		otage BTD	AF	E No.		AFE Amo \$350,00		Auth. TD.	<u>).</u> 8,700'			Norm Wood			
		Prese	ent Operat				Rig Phor	one:	1 7	254-241-53	317	Toolpush	her			
<u> </u>		Swabbing	g 6858 - 68	8' perfs			Rig Fax:	<u>:</u>					Allen Cermad	ck		
	t Weather		S Visit		NPDES			e on Loc.:		BOP Test		_	T	RIG ELE	VATIONS	
Wind: Seas:		Yes Incs?	✓ No		0 Sample	Date		perator ntractor		_	10/18/2004 P Test Date		RKB Water Dept		15	ft
Sky:				lo Pass?	∐Yes	☐ No		ntractor ervice	+	Next DC.	, 1621 per		Water Dept	<u>h</u>		ft ft
	Casing St								Cattie							
	Jasing J.	uring	OD	Wt.	Grade	Conn.	Jis.	s. Run	Setting MD	ng Depth TVD	DV MD	Tool TVD	MW when Run	Pres	LOT EMW	Leakoff?
Conducto	or		16"	1	LP	W			100'	100'					b	Louis
Surface Productio	on		8 5/8" 5 1/2"		J55 L80	STC		12 196	505' 8,690'	505' 8,690'	5,512'	5,512'	Air 8.9			—
								30	0,000	0,000	0,0.	0,0.2	0.5	<u> </u>		1
			1-	-	<u> </u>				<u> </u>	<u> </u>						
			1								+					+
BIT, WEI	GHT, SP	PEED AND I	HYDRAUI	LICS RE	CORD				Total							
BIT No	Size		pe and facturer	Serial	Number		Jets	Depth In	Total Footage	Hrs	WOB	Rpm	Avg ROP	Tooth	Grade Bearing	
Bit Re	emarks:					<u> </u>	T Cum.	ROT. Hrs	Pi	U Wt	Sc	O Wt	RO	T Wt		orque
										/ VVI		VVI	1,			
Pump No.	Strok	ke X Liner	Output	t SPM	GРM	Pre	essure	٦٧	Pb		AV	Speed	SPM	Slow	Pump Pre	essures 2 Pump #3
		67.	gps				/554.			DC	DP DP	1/4	Or Ivi	Pump ir .	Pump #2	Pump #
1 2			—									1/2				
ВНА						<u> </u>					<u> </u>	3/4		<u> </u>		1
	131.78'	Descri	ription:													
MUD DA1																
	WT.	VIS	PV	ΥP	GELS	WL	нтне	CAKE	SLDS %	LGS %	OIL %	SD %	мвт	рН	Pm	Pf/Mf
PIT		T	Ţ					<u> </u>								
	<u> </u>			<u> </u>	—	_		<u> </u>			L	L	L	Щ.		1
	Ch	hlorides	T_{c}	a++	Smpl	F.L. Temp	Shaker	r Screens	H,		sin/			Γ.		
PIT		iorides	+==	4++	1 Orrig	lenne	Shaker #1	r Screens #2	Hor Desand		Mud Engine	er		M	Aud Compa	any
												Mike Welke	.er		Anchor	
_	_			-	-		#3	#4	Desilt	Mud CI	Daily Cost			Cu	umulative C	
	ONAL SU														\$7,031	
lvi	MD.	TV	D	ANG	IGLÉ	Dire	rection	Coord	dinates	v	VS	DL		CLOS	URE	
										-		 				
OPERATI TIM	I ONS SUI ME	MMARY	Time	Boats:			lu P	· '-me'								
FROM	TO	HOUR	Time Code	Boats.	_			Boat Name: Boat Name:					Status: Status:			
0600	0700	1.0	28	WO Cre									1	Time Su	mmary	
0700 0715	0715 0815				g. TP= 0				12 ml				Activ	ivity	Daily	Cum.
07.12	0010	1.0	28	RU swa	b. 1 sti	un. FL-	= 600u	Rec 4 Du	ols. Weak Rec 4 bbls	show of g	jas.		1. Mob/Del			74
0815	0915	1.0					lade 2 sho ping, SWI			of fluiu, c.	light gas		CementCirculate			7.5 19.25
0915	1015	1.0	28	3rd swat	ab run FL				uns, well n	not dasing	No fluid		 Circulate Direction 			19.25
1015	1115	1.0	28	SWI for	r 1 hr.				ilia,	Ot y	. No		4. Direction 5. Drilling	al vvo		
1115 1145	1145 1245	0.5	28	4th run.	. FL= 630	00'. Red	c. 1 bbls.						6. Drive Pip	ое		
1145 1245	1245 1315	1.0 0.5		SWI for 5th run.		TO! WE	" -n a V/	acuum. Ma	'- 3 ehc				7. Fishing			
1315	1415	1.0	28	SWI for	1 hr.								8. OH Logg 9. Lost Circ			
1415	1500	8.0	28	6th run.	. FL= 640	00', Ma	de 2 sho	ort runs. N	Vo recover	rv			10. Drill Cm	mt./LOT		+
1500 1600	1600 1645	1.0	28	SWI for	1 hr.								11. N.U./ N.	I.D.		0.5
1600 1645	1645 1700	0.8	28	7th run.	FL= 64t	00'. Mad	de 3 shor	rt runs. Lic	ight gas blo	ow. Reco	overed 1 b	bbi	12. P.U./L.C	D. BHA		3
10-, 2	1102	0.5	28	Total rec	covereu .	today	0 bbis.	SWI, SDFI	N				13. P.U./L.D			13.25
		<u></u>		l									14. R/U; R/I			10
													15. Rig Rep 16. Run Cas			21.25 8.5
\longrightarrow							-						17. Service			0.0
		<u> </u>	[18. Sidetrac	ck Op.		_
			1-1									1	19. Stuck Pi	Pipe		
-1			1-										20. Survey			
													21. Trips 22. Tst. BOF			33.75
				1									22. Tst. BOF 23. UR/HO			
													23. UR/HO 24. W.O.W.			0.5
				ı								2	25. Wash &	Ream		0.5
		 										2	26. Well Cor			
				ı									27. WOC 28. Other	+		75.75
													28. Other Total	-	11	168.25 360.25
Total He		11.0	Fuel Usa			" Mg/	P								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	300.22
aily		Daily		В	Bbls C	Bulk Mate Cement:	terial on Bo	oard		sx		Previous C Daily Cost		\$485,3 \$5.51		
um.		Cum.	801.			Barite:				sx sx		Daily Cost Cum. Cost		\$5,51 \$490,8		
															120	

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····	A = A
· [/	Technology
1 1 1	Carriage

MSC Exploration

Daily Completion Report

Servi	ces		any comp				ii		Report Date
Bloc	k, Lease and Well I npson - State MSC		Contract Rig Leede Energy #692	<u>DOL</u> 27	DFC 36	Date on Loc 10/18/200		1	Nov 14, 2004
MD TVD 8,163 8,163	Footage PBTD	AFE No.	AFE Amount \$350,000	Auth, TD.	8,700'	Co	mpany Representative Norm Woods		
8,103 0,100	Present Operat		Rig Phone: Rig Fax:	2	54-241-53	17 <u>To</u>	<u>olpusher</u> Allen Cermack		

MD	TVD	Foota	ge	AFE	No.	_	FE Amou \$350,000		Auth, TD,	8,700'			y Representative Norm Woods			
8,163	8,163	PBTI	Operation	n			Rig Phone		25	34-241-531	7	Toolpush	er_			
		Shutdowr				1	Rig Fax:					Α	llen Cermac	k		
		MMCV	neu I		NPDES		People o	on Loc.:		BOP Test I	Date			RIG ELEV	ATIONS	
Current W Wind:	Veather	MMS \	√isit No.		Sample	Date	Ope				0/18/2004		RKB			ft
Seas:		Incs?	Yes				Contr			Next BOP	Test Date		Water Depth	1		ft
Sky:			☐ No	Pass?	Yes	☐ No	Sen	vice					RKB-CHF			11
CASING R			00	Wt.	Grade	Conn.	Jis	Run	Setting	Depth	DV	Tool	MW when		LOT	
Ci	asing Strir	ng	OD	VV1.	Grade	001111			MD	TVD_	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor			16"		LP	W			100'	100'			Air			
Surface			8 5/8"	24 17	J55 L80	STC		2 96	505' 8,690'	505' 8,690'	5,512'	5,512'	8.9			
Production	1		5 1/2"													
									<u> </u>			 	 _			
					<u></u>			<u>-</u> -								
BIT. WEIC	SHT. SPE	ED AND H	YDRAUL	ICS RE	ORD								A		Grade	
BIT		Bit Typ	e and					Donth In	Total Footage	Hrs	WOB	Rpm	Avg ROP	Tooth	Bearing	Gage
No	Size	Manufa	cturer	Serial	Number		ets	Deptrin	Footage	1113	1.02	1				I
														F 10/4	To	rque
Bit Rer	narks:						Cum. F	OT. Hrs	PL) Wt	, sc) Wt	RU	T Wt	10	Ique
			r				L	Τ		T	<u> </u>			Slow	Pump Pres	ssures
Pump No.	Stroke	X Liner	Output	SPM	GPM	Pre	essure	J∨	Pb		V	Speed	SPM	Pump #1	Pump #2	Pump #3
			gps					<u> </u>	<u> </u>	DC	DP	1/4	 	 		
1			ļ	ļ.—	 	 			 	 		3/4		<u>L</u>		
2 BHA			<u> </u>	l	<u> </u>	1		<u></u>	<u> </u>							
	131.78'	Descri	ption:													
									<u> </u>							
	-															
MUD DA	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	рН	Pm	Pf/Mf
PIT	VV 1.	VIO	<u> </u>	<u> </u>										<u> </u>		
				I		<u> </u>	L	<u></u>	<u> </u>		ــــــــــــــــــــــــــــــــــــــ		<u></u>	<u> </u>		<u> </u>
			T		Smpl] F.L.			T							
1	Chi	orides	0	a++	Temp	1		r Screens			Mud Engir	neer		<u> </u>	fud Comp	any
PIT						Ι	#1	#2	Desand	Cent.	4	Mike Wel	ker		Anchor	
 	L		<u> </u>				#3	#4	Desilt	Mud CI	Daily Co			С	umulative \$16,347	
								<u> </u>	J					<u> </u>	\$10,041	
	I <mark>ONAL S</mark> U		√D	I A	NGLE	l Di	rection	Coo	rdinates		vs	DL		CLO:	SURE	
<u> </u>	VID.									Ţ						
						J		ــــــــــــــــــــــــــــــــــــــ								
	TIONS SU	MMARY	Time	Boats:		_	Supply I	Boat Name	a:				Status:			
FROM	IME TO	HOUR	Code					Boat Name					Status:			
0600		1.0	28	wo c									۸ ا	Time S ctivity	ummary Daily	Cum.
0700	0715	0.3	28	Start	ig. TP :	vacuu	m		b.l	O	FI -65	00'	1, Mob/D		i Duny	74
0715	0800	0.8	28					OT DIACK	iluid. NO g	jas, 2nd ru	JIT I L-05		2. Ceme			7.5
0000	0000	 	1	_	bbl of It or 1 hr	. DIACK T	iulu						3. Circula			19.25
0800		0.3	28 28			500' No	fluid rec	 ;						ional Work		
0915		1.0	28	SWI f	or 1 hr								5. Drilling		 	
1015		0.3	28			500', Re	c 1 bbl r	eddish br	own fluid.				6. Drive		+	
1030		1.0	28	SWI 1	or 1 hr								7. Fishin		+	
1130			28			600', R	ec no flui	id. No ga	s	-			8. OH Lost C		+	
1145		+	28		or 1 hr	4001.5	0.1 bbl a	f roddiah	brown flui	d. No gas				Cmt./LOT	—	
1245 1300		0.3	28 28	_	in FL= 6 for 1 hr	4UU Re	C 1 DOI O	regulsii	Prowit IIII	u. 110 yas			11. N.U.	/ N.D.		0.5
1400			28			3500'	Made 3 s	hort runs	. Rec 1 b	bl No gas	3			L.D. BHA		3
1415			28		for 1 hr		<u>_</u>						13. P.U.	L.D. Pipe		13.25
1515			28			6600'	Made 3	short run	s. No fluid	rec. No g	as		14. R/U;			10
1530			28	SWI	for 1 hr								15. Rig I			21.25
1630	1700	0.5	28	9th r	ın FL≖	6500'. N	Made 3 s	hort runs.	Rec 1 bb	l, No gas	Sample	e for	16. Run		+	8.5
			1_			n. Light	red brov	vn Total f	luid recov	ered toda	y = 10 bb	DIS	17. Serv	rice Rig track Op.	+	
				SWI	SDFN								19. Stud		+	+
 			-										20. Sur			
	-	+	+	+-									21. Trip			33.75
		+	+-	+-									22. Tst.	BOPs		
_	+	1	_	1									23. UR/			<u> </u>
	1 -		丁										24. W.C			0.5
														h & Ream I Control	+	0.5
L													IZK Wel	LLODITOL		

26. Well C 27. WOC 28. Other 202.5 394.5 Total \$511,213 \$5,136 \$516,349 Previous Cost Daily Cost Cum. Cost Bulk Material on Board Cement: Barite: Rig Downtime Daily Cum. Bbls Bbls Daily

─ >	PPI
	Technology Services
	Block, Lease and Well No.
	N. Thompson - State MSC #16-

MSC Exploration

Daily Completion Report

Contract Rig DOL DEC Date on Location Comp. Date 10/18/2004 Oct 18: 2004

MD	TVI	nompson -	State MS		E No.	Le	AFE Am		26 Auth, TD	35	10/	18/2004		8, 2004	No	v 13, 2004
8,163		3 F	BTD				\$350,0		Addi. 15	<u>2.</u> 8,700'		Compa	ny Represent			
	Swabbi		sent Oper		6050.00	.,	Rig Pho			254-241-5	317	Toolpu				
L	Swappi	ng back bre	ak down	tiula, perts	6858-68	3'	Rig Fax	C.					Allen Cerma	ick		
Curre	nt Weath	er MA	IS Visit		NPDE	3	Peopl	e on Loc.:		BOP Tes	st Date		T	RIG EL	EVATION	S
Wind		Yes			0 Sampl	e Date		perator			10/18/20		RKB		15	ft
Seas:	:	Incs?		lo Pass?	Yes	No		ntractor ervice		Next BO	P Test Da	te	Water Dep	th		ft
	G RECO	₹D		.o , a.c.,			' 3	GIVICE	<u> </u>				RKB-CHF			ft
	Casing	String	OD	Wt.	Grade	Conn.	. Jts	s. Run		g Depth	D\	/ Tool	MW when	1	LOT	
Conduc	tor		16"		LP	l w			100'	100'	MD	TVD	Run	Pres	EMV	Leakof
Surface			8 5/8		J55	STC		12	505'	505'	+	-	Air	 		
Product	tion		5 1/2	" 17	L80	LTC	 	196	8,690'	8,690'	5,512'	5,512		<u> </u>		
						_	+-		+ -	 		ļ	 	 		
										ļ					_	-
BIT, W	EIGHT, S	PEED AND	HYDRAL	JLICS RE	CORD		<u> </u>		<u> </u>	<u> </u>						
BIT No	Size		ype and Ifacturer						Total		T	T	Avg		Grade	-
140	3120	Iviano	racturer	Serial	Number	+	Jets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearin	g Gage
5												1		 	+	+
BITE	temarks:						Cum.	ROT. Hrs	Pt	J Wt	SC) Wt	RO	Wt		Torque
Pump			Τ				<u> </u>	T	 	T		Т	 	Slov	w Pump P	ressures
No.	Stro	ke X Liner	Outpu	t SPM	GPM	Pre	essure	٦V	Pb	DC	AV	Speed	SPM	Pump#	1 Pump	2 Pump #
1								 	 	1 00	DP	1/4	 	 	 	
2 BHA												3/4			 	+
Length:	131.78) Desc	ription:													
MUD DA	ATA															
	WT.	VIS	PV	YP	GELS	WL	НТНР	CAKE	SLDS %	LGS %	OIL %	ED #	LUDT		T -	
PIT								OARL	3203 %	LGS %	OIL %	SD %	MBT	pН	Pm	Pf/Mf
		<u> </u>					<u> </u>									
			1		Smpl	F.L.	<u> </u>									
PIT	С	ılorides	C	a++	Temp	Temp		Screens			lud Engine	9 0 r		,	Mud Comp	any
	 		 			-	#1	#2	Desand	Cent.	· .	471				
						٠	#3	#4	Desilt	Mud CI	Daily Cos	∕like Welk t	er		Anchor umulative	
DIRECT	IONAL S	URVEYS									\$9,316				\$16,347	
	ΝD	T	٧D	ANG	3LE	Dire	ection	Coord	linates		'\$	DL		CLO:	SURE	
				 												
		MMARY									L	L				
FROM	ME TO	HOUR	Time Code	Boats:				oat Name: oat Name:					Status:			
0600	0700	1.0	28	WO Cre	w		Olow Di	Jac Hairie.					Status:	Time C		
0700	0715	0.3	28	Start rig.	TP=0	psi, CP	= 0 psi, l	Halliburto	n on locat	ion w/ 19	A chem.		Activ		ummary Daily	Cum.
0715 0830	0830	1.3	28	Start rig	pump to	mix 19	A chem	w/ 6% KC	CL. Circ. F	or 30 mir	n		1. Mob/Del		Daily	74
0845	0845	0.3	28 28	1st swat	run. Fl	_=6300'	, Rec 2b	bls, 2nd r	un FL=64	00' Dry rι	ınn		2. Cement			7.5
	1000	0.8	20	tubing @) 5 hpm	TD - 1	00 pgi 1	ubing. Sta Pumped 3	art pumpir	ig 6% KC	L/19A do	wn	Circulate			19.25
		·	1	Dec rate	to 2 bp	m. TP	dec. the	n inc. to 1	700 nsi 7	P = 800 p	DSI	Proko	4. Direction	al Work	 	
				to 1500	osi. @	2 bpm, _l	pumped	50 bbls. P	ressure d	ropped to	1200 ps	ioke	5. Drilling 6. Drive Pip		├	
		ļ	!	Inc rate t	o 3 bpn	ı pressu	re inc to	1200 psi.	Pumped	l 31 bbls i	nto forma	ition	7. Fishing			
		 	├	Total pur	nped 7	bbis.io	ad fluid						8. OH Logg	ing		
0930	1000	0.5	28	Shut TIM	ysı, 5 y	RD 2"	= 400 p:	si, 10 min 2" line to	SIP = 300	0 psi, 0.52	2 apparer	t gradiei	9. Lost Circ			
				back13 b	bis of ic	ad fluid	l.					nowed	10. Drill Cm 11. N.U./ N.		 	0.5
1000	1100	1.0	28	RU swab	. 1stru	n. FL= (0'. Rec 1	13 bbis. 2	nd run FL:	= 1500', r	ec 9 bbls		12. P.U./L.E			0.5
				3rd run, i	FL=250	0' Rec 9	bbls 4	h run FL=	1200'. Re	c 10 bbls	. Swabbe	d fluid	13. P.U./L.D			13.25
1100	1200	1.0	28	5th run. F	ack. Cn	anged f	10 bble i	to pit. Re plack fluid	c 44 bbls	to tank.	10001		14. R/U; R/I			10
				7 bbls bla	ck fluid	@ this	s point 7	1 bbls rec	overed = i	oin run Fi	L= 4000' I		15. Rig Rep			21.25
1200	1230	0.5		SWI for 3	0 min		_						16. Run Cas 17. Service			8.5
1230 1300	1300	0.5	28	7th run.	FL=500	0' Rec	5 bbls fo	amy, dark	black Ca	lcium Chl	oride wat		18. Sidetrac			
		1.0	28	Rec. 2 bb	L= 5000)', Rec 4	bbls re	ddish colo	ored fluid.	9th run F	L= 5500'		19. Stuck Pi	ре		
						00'. Ma	de 3 sho	rt runs. R	ec 1 bbl re	addich flui	id		20. Survey			
1400	1500	1.0	28	SWI for 1	hr. for t	luid ent	ry				<u> </u>		21. Trips 22. Tst. BOF	00		33.75
1500 1545	1545 1645	0.8	28	12 th run.	FL= 64	00'. Ma	de 3 sho	rt runs R	ec 1 bbl.	No gas			23. UR/HO	<u> </u>		
1645	1715	1.0		SIW for 1									24. W.O.W.			0.5
1715	1745	0.5 0.5	28 28	The gas						25. Wash &			0.5			
							ls. Rec	71 bbls lo	ad plus 4	O bbls -/	form'	1100	26. Well Con	trol		
				Total fluid	red = 9	0 bbls		. , 5515 (au pius T	o DUIS 01 1	ormation		27. WOC 28. Other		11 75	104.5
Total H	ours	11.8										—— 	Total		11.75 11.75	191.5 383.5
Rig Dow		11.6	Fuel Us	age	ĪR	ulk Mate	rial on Bo	ard								300.0
ily m.		Daily Cum		Bl	ols C	ement:			S)	,		revious C	ost	\$496, \$14,8		
		Cum.	801	.o Bi	ols B	arite:			S)			um. Cost		\$14,8 \$511,		

RECEIVED



		k. Lease and Well I npson - State MSC		Contract Rig Leed Energy #692	DOL 29	DFC 38	Date on Location 10/18/2004	n <u>Comp. Date</u> Oct 18, 2004	Report Date Nov 16, 2004
MD 8,163	TVD 8,163	Footage PBTD	AFE No.	AFE Amount \$350,000	Auth. TD.	8,700'	Comp	any Representative Norm Woods	
	м	Present Operat		Rig Phone: Rig Fax:	2	54-241-53	17 <u>Toolpi</u>	isher Allen Cermack	

		Мо	ving Leed	Operation #692 to 0				Rig Phone Rig Fax:					Α	llen Cermac	k		
View December Program Progra				1		N10050		Decele			OP Toot I	Date			RIG ELEV	ATIONS	
No. No.		eather) ata		أوالتسنسي					RKB	THO ELET		ft
No. No. Page Very Very No. Service No. Service No.					1000	Sample	2016								1		ft
DESTAY Company Compa			IIIÇS ?		Pass?	Yes	No							RKB-CHF			ft
Control 15		ECORD		<u> </u>													
	Ca	asing Strin	g	OD	Wt.	Grade	Conn.	Jts.	Run					1	D		Lookoff?
												MD	TVD	Run	Pres	EMM	Leakon
	nductor				24				,					Air	 		
WEGATY SPEED AND INVERNULCS RECORD Total Wiley Total Wiley Total Wiley Total Wiley Total Wiley Total Wiley Total Wiley Total Wiley Total Speed Total Wiley Total Speed Total Wiley Total Speed Total Speed Total Total Wiley Total Speed Total Total Total Wiley Total												5,512'	5,512'				
Second S	Judottori			V=													
Second S													ļ				
Second S														l		<u> </u>	
Second S	MEIO	UT ODE	D AND L	VDBAIII	ICS DE	CORD	L						<u> </u>	L			
No. Size Manufacture Sade Number Jule Depti in Footlage Hz WOB Rep ROP Toom Sealering Sage		INI, SPEI			100 112	JOIND				Total							
Bit Fernick	No	Size			Serial	Number	J	ets	Depth in	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
Bit Fernick														-	ļ		
Stroke X Line	لـــــــــــــــــــــــــــــــــــــ							Cum B	OT Hrs	PU	Wi	ŚC	Wt	RO1	T Wt	Tor	que
Species X Liner	Bit Rem	narks:						Cuiii. I	01,1113								
No. Stroke X Liner Output SPM GPM Pressure JV Pb DC DP IN Stroke STATE STA	mn			1	Γ	T											
17		Stroke	X Liner	Output	SPM	GPM	Pre	ssure	J∨	Pb				SPM	Pump #1	Pump #2	Pump #
Mathematics Mathematics				gps				<u>,</u>			DC	DP		 	 	 	 -
DDATA						 			 			 		 	 	 	
Description				<u> </u>	<u> </u>	<u></u>	L		<u> </u>	<u> </u>	<u> </u>	1	3/4	<u></u>	ــــــــــــــــــــــــــــــــــــــ		1
IDDATA		101 701															
W1T VIS PV YP GELS WL HTHP CAKE SLOS % LOS	ength:	131.78	Descri	ption:	L				1.00								
W1T VIS PV YP GELS WL HTHP CAKE SLOS % LOS																	
W1T VIS PV YP GELS WL HTHP CAKE SLOS % LOS	JD DAT	ΓΑ														·	
Chlorides	Ī		VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pН	Pm	Pf/Mf
Chlorides	7	.,,,													<u> </u>	_	
Chorides											<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	1	l
Cholnides				1													
Chlorides								Shaker	Screens	<u> </u>	oure A	Aud Engin	eer		١,	Mud Compa	iny
Fig. Fig.		Chlo	orides	<u>c</u>	a++	remp	Temp		الناب والمستقول	and the second		vida Erigii	001		1		
#3 #4 Desit Mud Cl Dally Cost St 5.347	T			ļ		 	ļ	#1	#2	Desand	Cent.	-	Mike Wel	ker		Anchor	
S16,347 S16,				<u> </u>				#3	#4	Docilt	Mud CI	Daily Co		Ť –		umulative (Cost
PERATIONS SUMMARY								1 #3									
PERATIONS SUMMARY	IDECT								77	Dean	IVIGG OI		T			\$16,347	
FERATIONS SUMMARY	IN EC III	ONAL SIL	RVEYS						1	Desire	Widd Ci						
TIME FROM TO HOUR Code Code Supply Boat Name: Status: Stat			RVEYS	/Ď	I AI	NGLE	Dir					Ĭ			CLO		
TIME FROM TO HOUR Code Code Supply Boat Name: Status: Stat			RVEYS	/D	I AI	NGLE	Dii					Ĭ			CLO		
New Note	M	ID	T	/Ď	AI	NGLE	Dii					Ĭ			CLO		
Time Summary County Coun	PERAT	IONS SU	T			NGLE	Dii	rection	Coor	dinates		Ĭ		Status:	CLO		
ORDING 1.5 28 RU Swab. Tag fluid @ 5400'. Recovered 6 bbls fluid. Activity Daily Cur	PERAT	IONS SU	MMARY	Time	Boats:	NGLE	Dii	rection Supply E	Coor	dinates		Ĭ			CLO		
Run #2. Tag fluid @ 6000°. Recovered 2 bbls. No gas 1. Mob/DeMob 7.4	PERAT TII FROM	IONS SU ME TO	MMARY	Time Code	Boats:			Supply E	Coor Coor	dinates		Ĭ				SURE	
OB30	PERAT TII FROM 0600	IONS SU ME TO 0700	MMARY HOUR	Time Code 28	Boats:	rews. 0	psi on tu	Supply E Crew E	Coor Boat Name Boat Name asing.	dinates		Ĭ		Status:	Time S	SURE	Cum
1000 0.5 28 Run #3. Tag fluid @ 6300'. Recovered 1 bbls. Light blow gas. Took sample. 3. Circulate 19.0	PERAT TII FROM 0600	IONS SU ME TO 0700	MMARY HOUR	Time Code 28	Boats:	rews. 0	psi on tu	Supply E Crew E ubing & co	Coor Boat Name Boat Name asing.	rdinates	l '	Ĭ		Status:	Time S	SURE	Cum.
1000	PERAT TII FROM 0600 0700	TONS SU ME TO 0700 0830	HOUR	Time Code 28 28	Boats: WO c RU Sv Run #	rews. 0 wab. Tag 12. Tag f	psi on tu	Supply E Crew E ubing & co	Coor Boat Name Boat Name asing.	rdinates	l '	Ĭ		Status: Ac 1. Mob/D	Time S	SURE	74
1100 1100 1100 1.0 28 SI well	PERAT TII FROM 0600 0700	TONS SU ME TO 0700 0830 0930	MMARY HOUR 1.0 1.5	Time Code 28 28 28	Boats: WO c RU Sv Run #	rews. 0 wab. Tag t2. Tag f	psi on tu g fluid @	Supply E Crew E ubing & c § 5400'.	Coor Boat Name Boat Name asing. Reocove	dinates	fluid.	vs	DL	Ac 1. Mob/D 2. Cemer	Time S ctivity eMob	SURE	74 7.5
1130 1230 1.0 28 St well	PERAT TII FROM 0600 0700 0830 0930	TONS SU ME TO 0700 0830 0930 1000	HOUR 1.0 1.5	Time Code 28 28 28	Boats: WO c RU St Run # SI we Run #	rews. 0 wab. Tag t2. Tag f ll t3. Tag f	psi on tu g fluid @	Supply E Crew E ubing & c § 5400'.	Coor Boat Name Boat Name asing. Reocove	dinates	fluid.	vs	DL	Ac 1. Mob/D 2. Cemer 9. 3. Circular	Time S ctivity eMob nt	SURE Summary Daily	74 7.5
1300 1,0 2,0 5 5 5 5 5 5 5 5 5	PERAT TII FROM 0600 0700 0830 0930 1000	IONS SU ME TO 0700 0830 0930 1000 1100	HOUR 1.0 1.5 1.0 0.5 1.0	Time Code 28 28 28 28 28	Boats: WO c RU S Run # SI we Run #	rews. 0 wab. Tag f2. Tag f ll f3. Tag f	psi on tug fluid @ f	Supply E Crew E Ubing & c 9 5400'. 6000'. R	Coor Boat Name Boat Name asing. Reocove ecovered	red 6 bbls. N	fluid. o gas	gas. Too	DL	Ac 1. Mob/D 2. Cerner 3. Circula 4. Directi	Time Stivity JeMob Int Jate Jonal Work	SURE Summary Daily	74 7.5
1400	PERAT TII FROM 0600 0700 0830 0930 1000 1100	ONS SU ME 70 0700 0830 0930 1000 1100	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28	Boats: WO c RU Si Run # SI we Run # SI we Run #	rews. 0 wab. Tag f2. Tag f II f3. Tag f II	psi on tug fluid @ f	Supply E Crew E Ubing & c 9 5400'. 6000'. R	Coor Boat Name Boat Name asing. Reocove ecovered	red 6 bbls. N	fluid. o gas	gas. Too	DL	Status: Ac 1. Mob/D 2. Cerner 3. Circula 4. Directi 5. Drilling	Time Stivity JeMob Int Jate Jonal Work	SURE Summary Daily	74 7.5
1400	PERAT TII FROM 0600 0700 0830 0930 1000 1100 1130	ONS SUME TO 0700 0830 0930 1000 1100 1130 1230	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0	Time Code 28 28 28 28 28 28 28 28	Boats: WO c RU Si Run # Si we Run # Si we Run #	rews. 0 wab. Tag f2. Tag f ll f3. Tag f ll f4. Tag f	psi on tug fluid @ 6	Supply E Crew E ubing & c g 5400'. R: 6300'. R: 6400'. Ma	Coor Boat Name Boat Name asing. Reocove ecovered ecovered	red 6 bbls 2 bbls. N	fluid. o gas ight blow	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cerner 3. Circula 4. Directi 5. Drilling 6. Drive I	Time S etivity eMob nt ate onal Work	SURE Summary Daily	74 7.5
1430	PERAT TII FROM 0600 0700 0830 0930 1000 1100 1130	ME TO 0700 0830 1000 1100 1130 1230 1300	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0	Time Code 28 28 28 28 28 28 28 28	Boats: WO c RU Si Run # Si we Run # Si we Run # Si we Run #	rews. 0 wab. Tag file	psi on tug fluid @ 6	Supply E Crew E ubing & c g 5400'. R: 6300'. R: 6400'. Ma	Coor Boat Name Boat Name asing. Reocove ecovered ecovered	red 6 bbls 2 bbls. N	fluid. o gas ight blow	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cerner 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing	Time S etivity eMob nt ate onal Work Pipe	SURE Summary Daily	74 7.5
1530 1600 0.5 28 Run #7. Tag fluid @ 6600'. No fluid. No gas. 11. N.U./ N.D. 0.1	PERAT TII FROM 0600 0700 0830 0930 1000 1100 1130	IONS SU ME TO 0700 0830 1000 1100 1130 1230 1400	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU Si Run # SI we Run # SI we Run # SI we Run # SI we	rews. 0 wab. Tag fill 1 1 1 1 1 1 1 1 1	psi on tug fluid @ fluid fluid @ fluid fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @	Supply E Crew E ubing & co g 5400'. R: 6300'.	Coordinate Coordinate	red 6 bbls 2 bbls. N 1 bbls. L truns. N	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Ac 1. Mob/D 2. Cemer 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo	Time S etivity eMob nt ate onal Work Pipe g	SURE Summary Daily	74 7.5
15.50 16.00 17.00 1.0 28 SI well 12. P.U./L.D. BHA 3 17.00 17.15 0.3 28 Run #8. Tag fluid @ 6500'. No fluid. No gas. 13. P.U./L.D. Pipe 13. 17.15 1730 0.3 28 LD Swab. SI Well & SDFN 14. R/U. R/D 14. R/U. R/D 15. Rig Repair 21. 15. Rig Repair 21. 15. Rig Repair 21. 15. Rig Repair 21. 16. Run Casing 8. 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 33. 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0. 25. Wash & Ream 0. 25. Wash & Ream 0. 26. Well Control 27. WOC 28. Other 11.5 27. 27. WOC 28. Other 11.5 27. 27. WOC 28. Other 11.5 27. 27. WOC 28. Other 11.5 27. 27. WOC 28. Other 11.5 27. 27. WOC 28. Other 11.5 27. 27. WOC 28. Other 11.5 27. 27. WOC 28. Other 11.5 27. 27. WOC 28. Other 11.5 27. 27. 27. WOC 28. Other 11.5 27.	PERAT TII FROM 0600 0700 0830 0930 1000 1100 1130 1230	IONS SU ME TO 0700 0830 1000 1100 1130 1230 1400	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU Si Run # SI we Run # SI we Run # SI we Run # SI we	rews. 0 wab. Tag fill 1 1 1 1 1 1 1 1 1	psi on tug fluid @ fluid fluid @ fluid fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @	Supply E Crew E ubing & co g 5400'. R: 6300'.	Coordinate Coordinate	red 6 bbls 2 bbls. N 1 bbls. L truns. N	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cemer 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lc	Time S etivity eMob nt ate onal Work g Pipe g ogging circ.	SURE Summary Daily	74 7.5
1700 1705 1.0 28 St Well 1700 1705	PERAT TII FROM 0600 0700 0830 0930 1000 1100 1130 1230 1300 1400	ONS SU ME TO 0700 0830 1000 1100 1130 1230 1300 1400 1430	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU Si Run # SI we Run # SI we Run # SI we Run # SI we Run #	rews. 0 wab. Tag file 1 1 1 1 1 1 1 1 1	psi on tug fluid @ fluid & fluid & fluid @ fluid & fluid & fluid & fluid & fluid & fluid & fluid & flu	Supply E Crew E ubing & co 5 5400'. Ro 6400'. Ma 6400'. Ma 6400'. Ma 6400'. Ma	Coor Boat Name	red 6 bbls 2 bbls. Not run	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cemer 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lc 9. Lost C	Time S etivity eMob nt ate onal Work g Pipe g ogging circ. Cmt./LOT	SURE Summary Daily	74 7.5 19.2
1715 1730 0.3 28 RUn #8. Flag huld @ 6505 No Holliot. No gas. 14. R/U; R/D 16. Run Casing 15. Rig Repair 21. 15. Rig Repair 21. 16. Run Casing 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 33. 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0. 25. Wash & Ream 0. 26. Well Control 27. WOC 28. Other 11.5 26. 29.	PERAT TII FROM 0600 0700 0830 0930 1000 1100 1130 1230 1300 1400 1430	IONS SU ME TO 0700 0830 1000 1100 1130 1230 1400 1430 1530	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU Si Run # SI we Run # SI we Run # SI we Run # SI we Run #	rews. 0 wab. Tag file 1 1 1 1 1 1 1 1 1	psi on tug fluid @ fluid & fluid & fluid @ fluid & fluid & fluid & fluid & fluid & fluid & fluid & flu	Supply E Crew E ubing & co 5 5400'. Ro 6400'. Ma 6400'. Ma 6400'. Ma 6400'. Ma	Coor Boat Name	red 6 bbls 2 bbls. Not run	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cemer 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo 9. Lost C 10. Drill of 11. N.U.	Time S etivity eMob int eate onal Work g Pipe g ogging circ. Cmt./LOT	SURE Summary Daily	74 7.5 19.29
1715 1730 0.3 28 LD Swab. SI Well & SDFN 14. R/U; R/D 15. Rig Repair 21. Rig Repair 21. Rig Repair 21. Rig Repair 21. Rig Repair 21. Rig Repair 21. Rig Repair 21. Rig Repair 21. Rig Repair 21. Rig Repair 22. Rig Repair 22. Rig Repair 23. Rig Repair 24. Rig Repair 24. Rig Repair 25. Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$517,904 25. Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$517,904 25. Rig Cost \$55.891 25. R	MM MPERAT MO0600 0700 0830 0930 1000 1100 1130 1230 1300 1400 1430 1530	IONS SU ME TO 0700 0830 1000 1100 1130 1230 1300 1400 1430 1530 1600	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU Sv Run # SI we Run # SI we Run # SI we Run # SI we Run #	rews. 0 wab. Tag file 12. Tag file 13. Tag file 14. Tag file 15. Tag fi	psi on tug fluid @ fluid & fluid & fluid @ fluid & fluid & fluid & fluid & fluid & fluid & fluid & flu	Supply E Crew E ubing & co 5 5400'. Ro 6400'. Ma 6400'. Ma 6400'. Ma 6400'. Ma	Coor Boat Name	red 6 bbls 2 bbls. Not run	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cemer 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo 9. Lost C 10. Drill 0 11. N.U. 12. P.U.	Time S etivity eMob int sate onal Work g Pipe g ogging circ. Cmt./LOT / N.D.	SURE Summary Daily	74 7.5 19.2 19.2 0.5
15. Rig Repair 21.	M M M M M M M M M M M M M M	ONS SU ME TO 0700 0830 1000 1100 1130 1230 1400 1430 1530 1600 1700	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 1.0	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU Si Run # Si we Run # Si we Run # Si we Run # Si we Run # Si we Run # Si we Run #	rews. 0 wab. Tag f	psi on tug fluid @ fluid fluid fluid @ fluid fluid fluid fluid fluid fluid fluid fluid fluid fluid fluid fluid fluid fluid flu	Supply E Crew E Jbing & C D 5400'. R: 6300'. R: 6400'. M: 6600'. M: 6600'. N	Coor Soat Name Boat Name	red 6 bbls. 2 bbls. N 1 bbls. L wit runs. N 1 bbl light ort runs. N 0 gas.	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cemer 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo 9. Lost C 10. Drill 0 11. N.U. 12. P.U. 13. P.U.	Time Setivity reMob int sate onal Work g Pipe g ggging irc. Cmt./LOT /N.D. /L.D. BHA /L.D. Pipe	SURE Summary Daily	74 7.5 19.29 0.5 3 13.2
Total hours 11.5	M M M M M M M M M M M M M M	ONS SU ME TO 0700 0830 1000 11100 1130 1230 1400 1430 1530 1600 1715	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU So Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run #	rews. 0 wab. Tag f	psi on tug fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @	Supply E Crew E Jbing & co 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	Coor Soat Name Boat Name	red 6 bbls. 2 bbls. N 1 bbls. L wit runs. N 1 bbl light ort runs. N 0 gas.	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: 1. Mob/D 2. Cemer 2. 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo 9. Lost C 10. Drill 0 11. N.U. 12. P.U. 13. P.U. 14. R/U;	Time S ctivity leMob int late lonal Work light Pipe g ggging lirc. Cmt./LOT / N.D. /L.D. BHA /L.D. Pipe R/D	SURE Summary Daily	74 7.5 19.2 19.2 0.5 3 13.2
17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 33. 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0. 25. Wash & Ream 0. 26. Well Control 27. WOC 28. Other 11.5 27. Total 11.5 40. 24. 25.	M M M M M M M M M M M M M M	ONS SU ME TO 0700 0830 1000 11100 1130 1230 1400 1430 1530 1600 1715	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU So Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run #	rews. 0 wab. Tag f	psi on tug fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @ fluid @	Supply E Crew E Jbing & co 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	Coor Soat Name Boat Name	red 6 bbls. 2 bbls. N 1 bbls. L wit runs. N 1 bbl light ort runs. N 0 gas.	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cemer 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo 9. Lost C 10. Drill 0 11. N.U. 12. P.U. 14. R/U; 15. Rig F	Time Stivity leMob Int late lonal Work I Pipe I I I I I I I I I I I I I I I I I I I	SURE Summary Daily	74 7.5 19.2 19.2 0.5 3 13.2 10 21.2
19. Stuck Pipe 20. Survey 21. Trips 33. 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0. 25. Wash & Ream 0. 26. Well Control 27. WOC 27. WOC 28. Other 11.5 20 Total Hours 11.5 40 Total Hours 11.5 Total Previous Cost \$517.904 Daily Daily Daily Bbls Cement: sx Daily Cost \$53.595	M 0600 0700 0830 0930 1000 11130 1230 1400 1430 1530 1600 1700	ONS SU ME TO 0700 0830 1000 11100 1130 1230 1400 1430 1530 1600 1715	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU So Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we LD S	rews. 0 wab. Tag f	psi on tu g fluid @ f luid @ f luid @ f fluid @ f fluid @ f fluid @ f fluid @	Supply E Crew E ubing & co 5 5 5 5 5 6 6 6 6 5 0 0 0 0 0 0 0 0 0 0	Coor Soat Name Boat Name	red 6 bbls. 2 bbls. N 1 bbls. L wit runs. N 1 bbl light ort runs. N 0 gas.	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cemer 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo 9. Lost C 10. Drill 11. N.U. 12. P.U. 14. R/U; 15. Rig F 16. Run	Time Stivity leMob int late lonal Work lippe g lipging lirc. lippe linc. lippe	SURE Summary Daily	74 7.5 19.2 0.5 3 13.2 10 21.2
20. Survey 21. Trips 33. 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0. 25. Wash & Ream 0. 26. Well Control 27. WOC 27. WOC 28. Other 11.5 20. 27. WOC 28. Other 11.5 20. 27. WOC 28. Other 11.5 20. 27. WOC 28. Other 11.5 20. 27. WOC 28. Other 11.5 20. 27. WOC 28. Other 27	M 0600 0700 0830 0930 1000 11130 1230 1400 1430 1530 1600 1700	ONS SU ME TO 0700 0830 1000 11100 1130 1230 1400 1430 1530 1600 1715	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU So Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we LD S	rews. 0 wab. Tag f	psi on tu g fluid @ f luid @ f luid @ f fluid @ f fluid @ f fluid @ f fluid @	Supply E Crew E ubing & co 5 5 5 5 5 6 6 6 6 5 0 0 0 0 0 0 0 0 0 0	Coor Soat Name Boat Name	red 6 bbls. 2 bbls. N 1 bbls. L wit runs. N 1 bbl light ort runs. N 0 gas.	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cemer 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo 9. Lost C 10. Drill 11. N.U. 12. P.U. 14. R/U; 15. Rig F 16. Run	Time Stivity leMob int late lonal Work lippe g lipging lirc. lippe linc. lippe	SURE Summary Daily	74 7.5 19.2 0.5 3 13.2 10 21.2
21. Trips 33. 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0. 25. Wash & Ream 0. 26. Well Control 27. WOC 27. WOC 28. Other 11.5 20. 28. Other 11.5 20. 28. Other 11.5 20. 28. Other 27. WOC 28. Other	M 0600 0700 0830 0930 1000 11130 1230 1400 1430 1530 1600 1700	ONS SU ME TO 0700 0830 1000 11100 1130 1230 1400 1430 1530 1600 1715	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU So Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we LD S	rews. 0 wab. Tag f	psi on tu g fluid @ f luid @ f luid @ f fluid @ f fluid @ f fluid @ f fluid @	Supply E Crew E ubing & co 5 5 5 5 5 6 6 6 6 5 0 0 0 0 0 0 0 0 0 0	Coor Soat Name Boat Name	red 6 bbls. 2 bbls. N 1 bbls. L wit runs. N 1 bbl light ort runs. N 0 gas.	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cemer 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo 9. Lost C 10. Drill 0 11. N.U. 12. P.U. 13. P.U. 14. R/U; 15. Rig F 16. Run 17. Serv	Time Stivity leMob int late lonal Work lippe g ggging lirc. Cmt./LOT /N.D. /L.D. BHA /L.D. Pipe R/D Repair Casing lice Rig	SURE Summary Daily	74 7.5 19.2 0.5 3 13.2 10 21.2
21. Trips 33. 22. Tst. BOPs 23. UR/HO 24. W.O.W. 0. 25. Wash & Ream 0. 26. Well Control 27. WOC 27. WOC 28. Other 11.5 20. 28. Other 11.5 20. 28. Other 27. WOC	M 0600 0700 0830 0930 1000 11130 1230 1400 1430 1530 1600 1700	ONS SU ME TO 0700 0830 1000 11100 1130 1230 1400 1430 1530 1600 1715	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU So Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we LD S	rews. 0 wab. Tag f	psi on tu g fluid @ f luid @ f luid @ f fluid @ f fluid @ f fluid @ f fluid @	Supply E Crew E ubing & co 5 5 5 5 5 6 6 6 6 5 0 0 0 0 0 0 0 0 0 0	Coor Soat Name Boat Name	red 6 bbls. 2 bbls. N 1 bbls. L wit runs. N 1 bbl light ort runs. N 0 gas.	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cerner 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo 9. Lost C 10. Drill 0 11. N.U. 12. P.U. 13. P.U. 14. R/U; 15. Rig F 16. Run 17. Serv 18. Side	Time S ctivity leMob int late onal Work g pipe g lirc. Cmt./LOT / N.D. //L.D. BHA //L.D. Pipe R/D Repair Casing lice Rig track Op.	SURE Summary Daily	74 7.5 19.2 0.5 3 13.2 10 21.2
22. Tst. BOPs 23. UR/HO 24. W.O.W. 0. 25. Wash & Ream 0. 26. Well Control 27. WOC 27. WOC 28. Other 11.5 20. 28. Other 11.5 20. 28. Other 11.5 20. 28. Other 27. WOC 28. Other 28.	M 0600 0700 0830 0930 1000 11130 1230 1400 1430 1530 1600 1700	ONS SU ME TO 0700 0830 1000 11100 1130 1230 1400 1430 1530 1600 1715	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU So Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we LD S	rews. 0 wab. Tag f	psi on tu g fluid @ f luid @ f luid @ f fluid @ f fluid @ f fluid @ f fluid @	Supply E Crew E ubing & co 5 5 5 5 5 6 6 6 6 5 0 0 0 0 0 0 0 0 0 0	Coor Soat Name Boat Name	red 6 bbls. 2 bbls. N 1 bbls. L wit runs. N 1 bbl light ort runs. N 0 gas.	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cemer 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo 9. Lost C 10. Drill 0 11. N.U. 12. P.U. 14. R/U; 15. Rig F 16. Run 17. Serv 18. Side 19. Stud	Time Stivity leMob int late lonal Work lippe g lipging lirc. Cmt./LOT / N.D. /L.D. BHA /L.D. Pipe R/D Repair Casing lice Rig lice Rig ltrack Op. k Pipe	SURE Summary Daily	74 7.5 19.2 19.2 0.5 3 13.2 10 21.2
23. UR/HO 24. W.O.W. 0. 25. Wash & Ream 0. 26. Well Control 27. WOC 27. WOC 28. Other 11.5 20. 28. Other 11.5 20. 28. Other 11.5 20. 28. Other 27. WOC 28. Other 28. Oth	M M M M M M M M M M M M M M	ONS SU ME TO 0700 0830 1000 11100 1130 1230 1400 1430 1530 1600 1715	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU So Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we LD S	rews. 0 wab. Tag f	psi on tu g fluid @ f luid @ f luid @ f fluid @ f fluid @ f fluid @ f fluid @	Supply E Crew E ubing & co 5 5 5 5 5 6 6 6 6 5 0 0 0 0 0 0 0 0 0 0	Coor Soat Name Boat Name	red 6 bbls. 2 bbls. N 1 bbls. L wit runs. N 1 bbl light ort runs. N 0 gas.	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cerner 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo 9. Lost C 10. Drill 11. N.U. 12. P.U. 13. P.U. 14. R/U; 15. Rig F 16. Run 17. Serv 18. Side 19. Stuc 20. Surv	Time S ctivity leMob int late onal Work g Pipe g logging circ. Cmt./LOT / N.D. //L.D. BHA //L.D. Pipe R/D Repair Casing lice Rig track Op. k Pipe //ey	SURE Summary Daily	74 7.5 19.2 19.2 0.5 3 13.2 10 21.2 8.5
24, W.O.W. 0.	M PERAT TIII FROM 0600 0700 0830 0930 1000 1130 1230 1300 1400 1430 1530 1600 1700	100NS SU ME TO 0700 0830 1000 11100 1130 1230 1400 1430 1530 1600 1715	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU So Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we LD S	rews. 0 wab. Tag f	psi on tu g fluid @ f luid @ f luid @ f fluid @ f fluid @ f fluid @ f fluid @	Supply E Crew E ubing & co 5 5 5 5 5 6 6 6 6 5 0 0 0 0 0 0 0 0 0 0	Coor Soat Name Boat Name	red 6 bbls. 2 bbls. N 1 bbls. L wit runs. N 1 bbl light ort runs. N 0 gas.	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cerner 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo 9. Lost C 10. Drill 11. N.U. 12. P.U. 13. P.U. 14. R/U; 15. Rig F 16. Run 17. Serv 18. Side 19. Stuc 20. Surv 21. Trips	Time S ctivity leMob int late onal Work Pipe g logging circ. Cmt./LOT / N.D. /L.D. BHA /L.D. Pipe R/D Repair Casing lice Rig track Op. lk Pipe //ey	SURE Summary Daily	74 7.5 19.2 19.2 0.5 3 13.2 10 21.2 8.5
25. Wash & Ream 0.	M M M M M M M M M M M M M M	100NS SU ME TO 0700 0830 1000 11100 1130 1230 1400 1430 1530 1600 1715	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU So Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we LD S	rews. 0 wab. Tag f	psi on tu g fluid @ f luid @ f luid @ f fluid @ f fluid @ f fluid @ f fluid @	Supply E Crew E ubing & co 5 5 5 5 5 6 6 6 6 5 0 0 0 0 0 0 0 0 0 0	Coor Soat Name Boat Name	red 6 bbls. 2 bbls. N 1 bbls. L wit runs. N 1 bbl light ort runs. N 0 gas.	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cerner 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo 9. Lost C 10. Drill 0 11. N.U. 12. P.U. 13. P.U. 14. R/U; 15. Rig F 16. Run 17. Serv 18. Side 19. Stuc 20. Surv 21. Trips 22. Tst.	Time S ctivity leMob int late onal Work Pipe g logging circ. Cmt./LOT / N.D. /L.D. BHA /L.D. Pipe R/D Repair Casing lice Rig track Op. lk Pipe //ey s BOPs	SURE Summary Daily	74 7.5 19.2 19.2 0.5 3 13.2 10 21.2 8.5
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27. WOC	M PERAT TIII FROM 0600 0700 0830 0930 1000 1130 1230 1300 1400 1430 1530 1600 1700	100NS SU ME TO 0700 0830 1000 11100 1130 1230 1400 1430 1530 1600 1715	MMARY HOUR 1.0 1.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5 1.0 0.5	Time Code 28 28 28 28 28 28 28 28 28 28 28 28 28	Boats: WO c RU So Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we Run # SI we LD S	rews. 0 wab. Tag f	psi on tu g fluid @ f luid @ f luid @ f fluid @ f fluid @ f fluid @ f fluid @	Supply E Crew E ubing & co 5 5 5 5 5 6 6 6 6 5 0 0 0 0 0 0 0 0 0 0	Coor Soat Name Boat Name	red 6 bbls. 2 bbls. N 1 bbls. L wit runs. N 1 bbl light ort runs. N 0 gas.	fluid. o gas ight blow o fluid. N	gas. Too	DL DL	Status: Ac 1. Mob/D 2. Cemer 3. Circula 4. Directi 5. Drilling 6. Drive I 7. Fishing 8. OH Lo 9. Lost C 10. Drill 0 11. N.U. 12. P.U. 14. R/U; 15. Rig F 16. Run 17. Serv 18. Side 19. Stuc 20. Surv 21. Trips 22. Tst. 23. UR/I 24. W.O	Time S ctivity leMob int late onal Work g Pipe g logging circ. Cmt./LOT / N.D. //L.D. BHA //L.D. Pipe R/D Repair Casing lice Rig track Op. k Pipe //ey s BOPs HO D.W.	Summary Daily	74 7.5 19.2 19.2 19.2 0.5 3 13.2 10 21.2 8.5
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PPI Technology Services

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MSC Exploration

Daily Completion Report Technology

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<u>MD</u> 8,163	TVD 8.163	Footage PBTD	AFE No.	AFE Amount \$350,000	Auth, TD.	8,700'		Representative Norm Woods	
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l .		Well SI		Rig Fax:					

Current Weather	MMS Visit	NPDES	People on Loc.:	BOP Test Date	RIG EI	LEVATIONS
Wind:	Yes / No	LC50 Sample Date	Operator	10/18/2004	RKB	15 ft
Seas:	Incs? Yes		Contractor	Next BOP Test Date	Water Depth	ft
Sky:		Pass? Yes No	Service		RKB-CHF	ft

CASING RECORD Casing String	OD	Wt.	Grade	Conn.	Jts. Run	Setting	Depth	DV	Tool	MW when		LOT	
Casing String						MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor	16"		LP	w		100'	100'						
Surface	8 5/8"	24	J55	STC	12	505'	505'			Air			
Production	5 1/2"	17	L80	LTC	196	8,690'	8,690'	5,512	5,512	8.9			ļ
													
										ļ			
									<u> </u>			 	-
						1 .			L			<u> </u>	<u> </u>

	GHI, SPE	ED AND H		CO KEC	OKD				Total				Avg		Grade	
BIT No	Size	Manufa		Serial N	lumber	J	ets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
110																
50.5						L	Cum. F	OT. Hrs	PU	Wt	so	Wt	ROT	Wt	Tor	que
Bit Re	marks:															
Pump No.	Chrolin	X Liner	Output	SPM	GPM	Pre	ssure	J۷	Pb	A	١V	Speed	SPM	Slow Pump #1	Pump Pres Pump #2	sures Pump #3
NO.	Siroki	3 V LINE	gps							DC	DP	1/4				
1												1/2				
2	<u> </u>							L	l		<u> </u>	3/4		L		

•	ВНА		
		Description:	
	Length: 131.78'	Description.	

MUD DA	TA									100 8	OIL %	SD %	мвт	рН	Pm	Pf/Mf
	WT.	VIS	PV	YP	GELS	WL	HTHP		SLDS %		OIL %			Pii		
PIT																
											<u> </u>		L	L		
	Chi	orides	Cá	3++	Smpl	F.L. Temp	Shaker	Screens	Но	urs M	/lud Engine	er		N	lud Compa	ny
PIT	4.11	Olides			<u> </u>		#1	#2	Desand	Cent.					A t	
	 											/like Welk	er		Anchor	
			Ь				#3	#4	Desilt	Mud Cl	Daily Cos	t		C	umulative C	ost
i															\$16,347	

DIRECTIONAL SUR	SVEVS			4			
MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLOSURE
IVID						T	
ODED ATIONS SUIT	WARY						
OPERATIONS SUM	IMAKI					61	tatus:

TIM	ΛE		Time	Boats: Supply Boat Name:	Status:		
FROM	TO	HOUR	Code	Crew Boat Name:	Time Su	mmon/	
0600	0600			Packer is set @ 6750'	Activity	Daily	Cum.
						Daily	74
				Person(s) unknown attempted to steal flow manifold during night. Failed.	1. Mob/DeMob		7.5
				Then opened valve on frac tank. Approximately 1000 gal 6% KCL spilled on	2. Cement		19.25
				ground.	3. Circulate		19.23
					4. Directional Work		
				64 jts of 2 7/8" tubing left on location when rig moved out.	5. Drilling		
				4.	6. Drive Pipe		
					7. Fishing		
					8. OH Logging		
			1		9. Lost Circ.		
	-				10. Drill Cmt./LOT		
	 				11. N.U./ N.D.		0.5
	 		$\overline{}$		12. P.U./L.D. BHA		3
		 	†		13. P.U./L.D. Pipe		13.2
	-	···-	1		14. R/U; R/D		10
			 		15. Rig Repair		23.2
	 	 	+		16. Run Casing		8.5
			+		17. Service Rig		<u> </u>
	-	 			18. Sidetrack Op.		
	 	 			19. Stuck Pipe		<u> </u>
	 	 			20. Survey		
			 		21. Trips		33.7
	 	 			22. Tst. BOPs		Ι
		ļ. <u>. </u>	-		23, UR/HO		Τ
			╂		24. W.O.W.		0.5
	<u> </u>	<u> </u>			25. Wash & Ream		0.5
	 		-		26. Well Control		1
	 		-		27. WOC		
			+		28. Other		217.
					Total		411.
Take	Hours		+				
O'- D			جسيات	Heads Bulk Material on Board Previo	us Cost \$52	6,775	

T215 R20E 43-019-31401 SEC-16 RZOE

DEC 03 2009

DIV. OF OIL, GAB & MINING DIV. OF OIL, GAB & MANING

R	PPI Technology Services
	Block, Lease and Well No.
	N Thompson State MCC #16

MSC Exploration

Daily Completion Report

Contract Rig DOL DFC Date on Location Comp. Date Report Date
Leed Energy #692 30 39 10/18/2004 Oct 18, 2004 New 17, 2004

_		ompson - S				Le	<u>Contract</u> eed Energ		30	<u>DFC</u> 39	Date or 10/1	8/2004		3, 2004		ort Date 17, 2004
<u>MD</u> 8,163	TVD 8,163		tage BTD	AF	E.No.		AFE Am \$350,0		Auth. TD	_		Compa	v Represent	ative	1	,
		Prese	nt Opera	_			Rig Pho		1	8,700' 254-241-5:	317	Toolpus	Norm Wood her	S		
	SI We	II and Wait o	on Stimul	ation Trea	tment		Rig Fax	:					Allen Cerma	ck		
	nt Weather		S Visit		NPDES		People	e on Loc.;	I	BÖP Tes	t Date		T	RIG ELE	VATIONS	
Wind: Seas:		Incs?	✓ No) Sample	Date		erator	ļ	Nov4 BO	10/18/200		RKB		15	ft
Sky:				Pass?	Yes	☐ No		ervice	<u> </u>	Next BO	P Test Dat	8	Water Dept	h		ft
CASING	Casing S		I OD	Wt.	Grade	Conn.	1 110	. Dua	I C-445-	- D#						
	Obsing 0			Wt.	Grade	Conn.	Jis	s. Run	MD	g Depth TVD	MD	Tool TVD	MW when Run	Pres	LOT	Leakoff?
Conduct Surface	tor		16" 8 5/8"	24	LP J55	STC		12	100'	100'	1					
Producti	ion		5 1/2"	17	L80	LTC		196	505' 8,690'	505' 8,690'	5,512'	5,512	Air 8.9			
					-	ļ										
											 					
BIT, WE	IGHT, SP	EED AND I	IYDRAU	LICS REC	ORD	<u>L</u>	<u> </u>									
BIT No	Size	Bit Typ Manufa	e and		-				Total	-			Avg		Grade	
NO	Size	Manuta	acturer	Serial	Number	<u> </u>	Jets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
Bit Re	emarks:						T 0									
	errigiks.						_ Cum. I	ROT. Hrs	PL	Wt	l sc	Wt	ROT	Wt	То	orque
Pump No.	Strok	e X Liner	Output	SPM	GРM	Pre	ssure	JV	РЬ	,	AV	Spend	CD14	Slow	Pump Pre	ssures
			gps		, ,					DC	DP	Speed 1/4	SPM	Pump #1	Pump #2	Pump #3
1	-											1/2				
ВНА									<u> </u>	<u> </u>	L	3/4				
Length:	131.78'	Descri	ption:													•
MUD DA	WT.	VIS	PV	VD 1	051.0											
PIT	VVI.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pΗ	Pm	Pf/Mf
	<u> </u>		T		Smpl	F.L.										
PIT	Chl	orides	Ca	++	Temp	Temp		Screens	Ho		lud Engine	er		М	ud Compa	iny
	<u> </u>						#1	#2	Desand	Cent.		like Welke	ər		Anchor	
							#3	#4	Desilt	Mud CI	Daily Cost			Cu	mulative C	Cost
	ONAL SU														\$16,347	
N	1D	T∨ı	2	ANG	SLE	Dire	ction	Coord	inates		s	DL		CLOS	JRE	
_		1														
DEDAT	IONE EIII	MARY														
	I ONS SUI ME	MMARY	Time	Boats:			Supply Bo	pat Name:					Status			
TIN FROM	ME TO	HOUR	Code					pat Name: pat Name:					Status:			
TI	ME		Code 28	WO crev		elder	Crew Bo						Status:	Time Sur		
TIN FROM 0600 0700 0715	TO 0700 0715 0815	HOUR	28 28 28 28	WO crev Start rig. Made 2 s	TP=0 p swab rur	elder osi, CP ns. Rec	= 0 psi	oat Name:	st run. No	fluid on a	2nd		Status: Activ	ity	mmary Daily	Cum.
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28	WO crev Start rig. Made 2 s Rig dowr	TP=0 p swab rur n for mo	elder osi, CP os. Red ve to Ca	= 0 psi c 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Status: Activ 1. Mob/DeM 2. Cement	ity		Cum. 74 7.5
TIN FROM 0600 0700 0715	TO 0700 0715 0815	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi	oat Name:	st run. No	fluid on 2	2nd		Status: Activ 1. Mob/DeM 2. Cement 3. Circulate	ity lob		74
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig dowr	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi c 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activ 1. Mob/DeM 2. Cement 3. Circulate 4. Directions	ity lob		74 7.5
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi c 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activ 1. Mob/DeM 2. Cernent 3. Circulate 4. Directions 5. Drilling 6. Drive Pip	ity lob al Work		74 7.5
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi c 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activ 1. Mob/DeM 2. Cement 3. Circulate 4. Direction: 5. Drilling 6. Drive Pip 7. Fishing	ity lob		74 7.5
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi c 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activ 1. Mob/DeM 2. Cernent 3. Circulate 4. Directions 5. Drilling 6. Drive Pip 7. Fishing 8. OH Loggi	ity lob		74 7.5
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi c 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activ 1. Mob/DeM 2. Cernent 3. Circulate 4. Direction: 5. Drilling 6. Drive Pip 7. Fishing 8. OH Loggi 9. Lost Circ. 10. Drill Cm	al Work e		74 7.5
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi c 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activ 1. Mob/DeM 2. Cement 3. Circulate 4. Directions 5. Drilling 6. Drive Pip 7. Fishing 8. OH Loggi 9. Lost Circ. 10. Drill Cm 11. N.U./ N.	al Work e ng		74 7.5 19.25
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi c 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activs 1. Mob/DeM 2. Cernent 3. Circulate 4. Directions 5. Drilling 6. Drive Pip 7. Fishing 8. OH Loggi 9. Lost Circ. 10. Drill Cm 11. N.U./ N. 12. P.U./L.D	al Work e ng t./LOT D. BHA		74 7.5 19.25
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi = 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activs: Activs: 1. Mob/DeM 2. Cernent 3. Circulate 4. Directions 5. Drilling 6. Drive Pip 7. Fishing 8. OH Loggi 9. Lost Circ. 10. Drill Cm 11. N.U./ N. 12. P.U./L.D 13. P.U./L.D 14. R/U; R/E	al Work e ng t./LOT D. BHA		74 7.5 19.25
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi = 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activs: Activs: 1. Mob/DeM 2. Cernent 3. Circulate 4. Directions 5. Drilling 6. Drive Pip 7. Fishing 8. OH Loggi 9. Lost Circ. 10. Drill Cm 11. N.U./ N. 12. P.U./L.D 13. P.U./L.D 14. R/U; R/E 15. Rig Rep	al Work e ng/LOT D BHA . Pipe)	-	74 7.5 19.25 0.5 3 13.25 10 23.25
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi = 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activs: Activs: 1. Mob/DeM 2. Cernent 3. Circulate 4. Directions 5. Drilling 6. Drive Pip 7. Fishing 8. OH Loggi 9. Lost Circ. 10. Drill Cm 11. N.U./ N. 12. P.U./L.D 13. P.U./L.D 14. R/U; R/E 15. Rig Repo	al Work e ng/LOT D BHA . Pipe)	Daily	74 7.5 19.25 0.5 3 13.25
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi = 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activs: Activs: 1. Mob/DeM 2. Cernent 3. Circulate 4. Directions 5. Drilling 6. Drive Pip 7. Fishing 8. OH Loggi 9. Lost Circ. 10. Drill Cm 11. N.U./ N. 12. P.U./L.D 13. P.U./L.D 14. R/U; R/E 15. Rig Rep	al Work e ng t./LOT D. BHA Pipe air ing Rig	Daily	74 7.5 19.25 0.5 3 13.25 10 23.25
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi = 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activs: Activs: 1. Mob/DeM 2. Cernent 3. Circulate 4. Directions 5. Drilling 6. Drive Pip 7. Fishing 8. OH Loggi 9. Lost Circ. 10. Drill Cm 11. N.U./ N. 12. P.U./L.D 13. P.U./L.D 14. R/U; R/E 15. Rig Repo	al Work e ng ./LOT D. . BHA . Pipe) air ing Rig « Op.	Daily	74 7.5 19.25 0.5 3 13.25 10 23.25
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi = 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activs: Activs: 1. Mob/DeM. 2. Cernent 3. Circulate 4. Directions 5. Drilling 6. Drive Pip 7. Fishing 8. OH Loggi 9. Lost Circ. 10. Drill Cm 11. N.U./ N. 12. P.U./L.D 13. P.U./L.D 14. R/U; R/E 15. Rig Repoil 16. Run Cas 17. Service I 18. Sidetract 19. Stuck Pig 20. Survey	al Work e ng t./LOT D. BHA Pipe air ing Rig COp.	Daily	74 7.5 19.25 0.5 3 13.25 10 23.25 8.5
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi = 4 bbls factus Ro	oat Name:	at run. No	fluid on 2	2nd		Activs: Activs: Activs: 1. Mob/DeM 2. Cernent 3. Circulate 4. Directions 5. Drilling 6. Drive Pip 7. Fishing 8. OH Loggi 9. Lost Circ. 10. Drill Cm 11. N.U./ N. 12. P.U./L.D 13. P.U./L.D 14. R/U; R/E 15. Rig Repo	al Work e ng t./LOT D. BHA Pipe ing air ing Rig COp.	Daily	74 7.5 19.25 0.5 3 13.25 10 23.25
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi = 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activs: Activs: 1. Mob/DeM. 2. Cement 3. Circulate 4. Direction: 5. Drilling 6. Drive Pip 7. Fishing 8. OH Loggi 9. Lost Circ. 10. Drill Cm 11. N.U./ N. 12. P.U./L.D 13. P.U./L.D 14. R/U; R/D 15. Rig Rep: 16. Run Cas 17. Service I 18. Sidetracl 19. Stuck Pig 10. Survey 11. Trips 12. Tst. BOP 13. UR/HO	al Work e ng t./LOT D. BHA Pipe ing air ing Rig COp.	Daily	74 7.5 19.25 0.5 3 13.25 10 23.25 8.5
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi = 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activs: Activs: 1. Mob/DeM. 2. Cernent. 3. Circulate. 4. Direction. 5. Drilling. 6. Drive Pip. 7. Fishing. 8. OH Loggi. 9. Lost Circ. 10. Drill Cm. 11. N.U./ N. 12. P.U./L.D. 13. P.U./L.D. 14. R/U; R/E. 15. Rig Rep. 16. Run Cas. 17. Service. 18. Sidetrac. 19. Stuck Pig. 19. Stuck Pig. 10. Survey. 11. Trips. 12. Tst. BOP. 13. UR/HO. 14. W.O.W.	al Work e ng t./LOT D. BHA Pipe ing Rig COp.	Daily	0.5 3 13.25 10 23.25 8.5 33.75
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi = 4 bbls factus Ro	oat Name:	st run. No	fluid on a	2nd		Activs: Activs: Activs: 1. Mob/DeM. 2. Cernent. 3. Circulate. 4. Direction. 5. Drilling. 6. Drive Pip. 7. Fishing. 8. OH Loggi. 9. Lost Circ. 10. Drill Cm. 11. N.U./ N. 12. P.U./L.D. 13. P.U./L.D. 14. R/U; R/E. 15. Rig Rep. 16. Run Cas. 17. Service. 18. Sidetrac. 19. Stuck Pig. 19. Stuck Pig. 10. Survey. 11. Trips. 12. Tst. BOP. 13. UR/HO. 14. W.O.W. 15. Wash & 8.	al Work e ng t./LOT D. BHA Pipe ing Ream	Daily	74 7.5 19.25 0.5 3 13.25 10 23.25 8.5
FROM 0600 0700 0715 0815	ME TO 0700 0715 0815 0915	HOUR 1.0 0.3 1.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi = 4 bbls factus Ro	oat Name:	st run. No	fluid on 2	2nd		Activs: Activs: Activs: Activs: 1. Mob/DeN. 2. Cement 3. Circulate 4. Directions 5. Drilling 6. Drive Pip 7. Fishing 8. OH Loggi 9. Lost Circ. 10. Drill Cm 11. N.U./ N. 12. P.U./L.D 13. P.U./L.D 14. R/U; R/D 15. Rig Report 16. Run Cas 17. Service I 18. Sidetract 19. Stuck Pip 10. Survey 11. Trips 12. Tst. BOP 13. UR/HO 14. W.O.W. 15. Wash & I 16. Well Con 17. WOC	al Work e ng t./LOT D. BHA Pipe ing Ream	Daily	74 7.5 19.25 0.5 3 13.25 10 23.25 8.5
TIN FROM 0600 0700 0715 0815 0915	ME TO 0700 0715 0815 0915 1115	HOUR 1.0 0.3 1.0 1.0 2.0	28 28 28 28 28 15	WO crev Start rig. Made 2 s Rig down Welder a	TP=0 p swab run for mo arrived o	elder osi, CP ns. Red ve to Ca n location	= 0 psi = 4 bbls factus Ro	oat Name:	st run. No	fluid on a	2nd		Activs: Activs: Activs: 1. Mob/DeM. 2. Cernent. 3. Circulate. 4. Directions. 5. Drilling. 6. Drive Pip. 7. Fishing. 8. OH Loggi. 9. Lost Circ. 10. Drill Cm. 11. N.U./ N. 12. P.U./L.D. 13. P.U./L.D. 14. R/U; R/E. 15. Rig Reps. 16. Run Cas. 17. Service. I. 18. Sidetract. 19. Stuck Pip. 10. Survey. 11. Trips. 12. Tst. BOP. 13. UR/HO. 14. W.O.W. 15. Wash & I. 16. Well Con. 17. WOC. 18. Other	al Work e ng t./LOT D. BHA Pipe ing Ream	2 3.25	74 7.5 19.25 0.5 3 13.25 10 23.25 8.5 0.5 0.5
Tin FROM 0600 0700 0715 0815 0915	ME TO 0700 0715 0815 0915 1115	HOUR 1.0 0.3 1.0 1.0 2.0	28 28 28 15 15 1	WO crev Start rig. Made 2 s Rig down Welder a Move off	TP=0 pswab rum n for mo arrived o location	elder osi, CP ns. Rec ve to Ci n location	Crew Bo Opsi 4 bbls f actus Ro on. Rep.	at Name:	st run. No	fluid on 2	2nd		Activs: Activs: Activs: Activs: 1. Mob/DeN. 2. Cement 3. Circulate 4. Directions 5. Drilling 6. Drive Pip 7. Fishing 8. OH Loggi 9. Lost Circ. 10. Drill Cm 11. N.U./ N. 12. P.U./L.D 13. P.U./L.D 14. R/U; R/D 15. Rig Report 16. Run Cas 17. Service I 18. Sidetract 19. Stuck Pip 10. Survey 11. Trips 12. Tst. BOP 13. UR/HO 14. W.O.W. 15. Wash & I 16. Well Con 17. WOC	al Work e ng t./LOT D. BHA Pipe ing Ream	2 3.25	74 7.5 19.25 0.5 3 13.25 10 23.25 8.5 0.5 0.5
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RECEIVED



PPI Technology Services MSC Exploration
Daily Drilling Report
Contract Rig | DOL | DES | Date on Location |

### CHARLEST STOCK Total T			pson • 3t					Union #7		3		4/27/2			1	Apr 30	, 2004
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FROM TO HOUR Code Crew Boat Name; Status: Time Summary Activity Daily	TIONS S	ÜMMARY															
Finish building location and digging reserved pit. Will wait until getting								Supply B	oat Name					Status:			
permit approval to line the reserve pit. RDMO Neilson Construction. 1. Mob/DeMob 2. Cement 3. Circulate 4. Directional Work 5. Drilling 6. Drive Pipe 7. Fishing 8. OH Logging 9. Lost Circ. 10. Drill Cmt/LOT 11. N,U/N.D. 12. P,U/L.D. BHA 13. P,U/L.D. Pipe 14. R/U; R/D 15. Rig Repair 16. Run Casing 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Ream 26. Well Control 27. WOC 28. Other Total 17. Total 17. Total 17. Delay Committee 19. Stuck Pipe 27. WOC 28. Other 17. Total 17. Total 17. Delay Committee 17. Service Rig 27. WOC 28. Other 17. Total	FROM	IME	нопр		Boats:				oat Nama	•			-	Status:			
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Can'y Land	Total	ME TO 0600	HOUR	Code	Finish permit WO pe	approva	I to line roval.	Crew B	ging reserve pit. R	RE(DEIV	ED		Act 1. Mob/De 2. Cemen 3. Circulat 4. Directio 5. Drilling 6. Drive P 7. Fishing 8. OH Log 9. Lost Cir 10. Drill C 11. N.U./I 12. P.U./L 13. P.U./L 14. R/U; F 15. Rig R 16. Run C 17. Servic 18. Sidetr 19. Stuck 20. Surve 21. Trips 22. Tst. B 23. UR/H 24. W.O.V 25. Wash 26. Well C 27. WOC 28. Other Total	ivity Mob It It It It It It It It It It It It It	Daily	Cum.
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MSC Exploration Daily Drilling Report

		ck, Lease a			~		Contract F		DOL	DES		Location 2004	Spud	Date		nt <u>Date</u> 3, 2004
MD	N. Tho	mpson - Sta Foota			No.	- <i>:</i> - ;	Union #7 AFE Amou		1 Auth. TD.	<u> </u>		ny Repres	entative		April	5, 2004
		Droppe	t Operati	0.7			Rig Phone	e [.]				Toolpushe	or .			
_		-	ig Location				Rig Fax:	· · · · · ·				-	David Wilco	(
Current	Weather	MMS	Visit		NPDES		People	on Loc.:		BOP Test	Date		<u> </u>	RIG ELEV	/ATIONS	
Wind:	**************************************	Yes	∐ No	LC50	Sample	Date	Ope	rator					RKB			ft
Seas:		Incs?	Yes	Pass?	Yes	No		ractor vice	Next	BOP Test	t Date		Water Dept	<u>n</u>		ft
Sky: SING REC	ORD			Pass?	1165	140	J Sei	VICE		<u> </u>	-	-	1			
	Casing Str	ing	OD	Wt.	Grade	Conn.	Jts.	Run	Setting MD	Depth TVD	Line MD	rTop TVD	MW when Run	Pres	LOT EMW	Leakoff?
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BIT	PDRAULIC	CS RECOR Bit Typ		T				<u> </u>	Total	_ · · · -	Γ		Avg	Ĺ	Grade	
No	Size	Manufa	cturer	Serial	Number	J	Jets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
										Wt	1		503	100	Ta	
Bit Re	marks:						Cum. R	OT, Hrs	PU	vvt	30	Wt	RO	Γ Wt		rque
Pump No.	Stroke	a X Liner	Output	SPM	GPM	Pre	ssure	J۷	Pb	A	AV	Speed	SPM	Slow Pump #1	Pump Pres	ssures Pump #3
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ВНА	l				<u>. </u>				!		 	•				
Length:		Descri	ption:		y , , , ,											
MUD DAT	WT.	VIS	PV	YP	GELS	WL	нтнр	CAKE	SLDS %	LGS %	OIL %	SD %	мвт	pН	Pm	Pf/Mf
PIT														Ţ.		
ļ	J	<u> </u>	<u> </u>	<u> </u>		L	1	İ	l			<u> </u>	<u> </u>	1	L	·
	Chl	orides	C.	3++	Smpl Temp	F.L. Temp	Shaker	Screens	Ho	ours N	Mud Engine	er		l .	fud Compa	nv
PIT	Citi	Undes	, O.								Too Lingini		<u> </u>			
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IONAL S	IIDVEVS						#1				Daily Cos	t I		Ċı	ımulative C	Cost
TIONAL S	URVEYS	Į TV	D	AN	GLE	Dire		#4		Mud Ci	Daily Cos	t I DL		CLOS		Cost
		TV	D] AN	GLE	Dir	#3	#4	Desilt	Mud Ci						Cost
TIONS SU	JMMARY	I TV			GLE	Din	#3 ection	#4	Desilt	Mud Ci			Statue			Cost
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TIONS SU	JMMARY ME TO		Time	Boats:			#3 ection Supply Bo	#4 Coord oat Name:	Desilt	Mud CI	vs	DL	Act 1. Mob/De 2. Cement 3. Circulat 4. Directio 5. Drilling 6. Drive Pi 7. Fishing 8. OH Log 9. Lost Cir 10. Drill Ci 11. N.U./N 12. P.U./L 13. P.U./L 14. R/U; R 15. Rig Re 16. Run C 17. Service 18. Sidetra	Time Suivity Mob enal Work pe ging c. mt./LOT I.D. D. BHA D. Pipe //D pair asing e Rig ack Op.	SURE	
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CONFIDENTIAL **MSC Exploration** PPI Technology Services Block, Lease and Well No. N. Thompson - State WSC #16-) Daily Drilling Report Soud Date Contract Rio Union #7 Date on Location May 2, 2004 4/27/2004 AFE Amount Company Representative AFE No. MD TVD Footage Toolpusher Ria Phone: Present Operation Rig Fax: WO Permit RIG ELEVATIONS BOP Test Date MMS Visit NPDES No Yes ∐ Yes LC50 Sample Date Operator Water Depth Contractor RKB-CHF Sky: No Pass? LOT EMW | Leakoff? Setting Depth OD Top TVD Pres TVD MD Run ED AND HYDRAULICS RECORD Avg ROP Bit Type and Tooth Gage WOB Serial Number Manufacturer Bit Remarks: Slow Pump Pressures
Pump #1 | Pump #2 | Pump #3 Speed GPM J۷ Pressure Stroke X Liner Output SPM 1/4 DP gps 1/2 3/4 ВНА Description: Length MUD DATA GELS WL HTHP CAKE SLDS % LGS % OIL % SD % Pf/Mf Pm VIS PV ΥP Smpl Mud Company Ca++ Temp Desand Cumulative Cost Mud Cl CTIONAL SURVEYS CLOSURE TVD IATIONS SUMMARY

TIM	ΛE		Time	Boats:	Supply Boat f				Status:		
FROM	TO	HOUR	Code		Crew Boat I	Vame:			Status:		
0600	0600								Time Su		_
				WO Permit					Activity	Daily	Cum.
									1. Mob/DeMob		<u> </u>
									2. Cement		
									3. Circulate		
									4. Directional Work		
									5. Drilling		
									6. Drive Pipe		
									7. Fishing		
									8. OH Logging		
	-								9. Lost Circ.		
									10. Drill Cmt./LOT		
									11. N.U./ N.D.		
									12. P.U./L.D. BHA		
									13. P.U./L.D. Pipe		
									14. R/U; R/D		
		 							15. Rig Repair		
	l		1						16. Run Casing		
	<u> </u>	† · · · · · · · ·	1						17. Service Rig		
	····	 	1						18. Sidetrack Op.		
	<u> </u>	 		<u> </u>					19. Stuck Pipe		
		4- 7							20. Survey		
		 							21. Trips		
									22. Tst. BOPs		
		· · · · · · · · · · · · · · · · · · ·	1			Dr			23. UR/HO		
			1			17	JEIVEN		24. W.O.W.		
			1						25. Wash & Ream		
		 	 	· · · · · · · · · · · · · · · · · · ·		UEC	12 2000		26. Well Control		
	-	 	†	1			3 2004		27. WOC		
	 	1	1			DIV OF OU			28. Other		
	 		1	1		VF UIL,	CEIVED 132004 GAS&MINING		Total	T	
Total	Hours		+	<u> </u>			MINING	i			
	wntime	1	Fuel	Usage	terial on Board			1 1641003		,463	
Daily		Daily	T.	Bbls	Cement:		sx	Daily Cos			
Cum.		Cum.	1	Bbls	Barite:		SX	Cum. Cos	st \$15	,463	

R	PPI Tech Serv	nology ices	,			Da	aily	<u>Drill</u>	plora ing l	Repo	ort					···.
		ck, Lease a mpson - Sta					Contract Union #		<u>DOL</u> 4	DFS		Location 2004	Spud	<u>Date</u>		rt Date , 2004
MD	TVD	Foot:			No.		AFE Amo		Auth. TD.	L		ny Repres	sentative			
	<u> </u>	Procen	nt Operati	ion.		<u> </u>	Rig Phon	IO.	<u> </u>		·····	Toolpushe	er		 -	
			WO Perm	_			Rig Fax:									
Current	Weather	MMS	Visit		NPDES		People	on Loc.:		BOP Test	Date			RIG ELE\	/ATIONS	
Wind:	TTOBUICI	Yes	∐ No	LC50	Sample	Date	Оре	erator					RKB			ft
Seas: Sky:		Incs?	Yes	Pass?	Yes	No		tractor rvice	Next	BOP Test	Date		Water Dept	<u>h</u>		ft
SING REC										<u> </u>						
	Casing Str	ing	OD	Wt.	Grade	Conn.	Jts.	Run	Setting MD	Depth TVD	Line:	Top TVD	MW when Run	Pres	LOT EMW	Leakoff?
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ED AND H	VDPAIII I	S RECOR									L	<u>. </u>			<u> </u>	
BIT	DRAGER	Bit Typ	e and	<u> </u>		T			Total	1			Avg		Grade	· · · · · · · · · · · · · · · · · · ·
No	Size	Manufa	cturer	Serial	Number		Jets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
Bit Re	emarks:						Cum. F	ROT. Hrs	Į PU	Wt	so	Wt	RO	vvt	To	rque
Pump			04=4	SPM	GPM	Des		JV	Pb		AV	Speed	SPM	Slow	Pump Pres	Sures
No.	Stroke	X Liner	Output gps	SPIVI	GPM	Pre	essure	JV		DC	DP	1/4	J SFM	rump#1	Fump#2	Fump#3
1												1/2	ļ			ļ <u> </u>
BHA	<u> </u>			L.,,	l	L		L	<u> </u>	<u> </u>		3/4	<u> </u>	<u> </u>		
Length:		Descri	ption:													
MUD DAT	ΓΑ															
	WT.	VIS	PV	ΥP	GELS	WL	нтнр	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	рН	Pm	Pf/Mf
PIT																
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	Chi	orides	C	a++	Smpl	F.L. Temp	Shaker	Screens	Но	ours N	lud Engine	er			lud Compa	nv
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Total

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2)	PPI Techi	nology				l Da	MSC ailv.J	Exp Orilli	olora ina::[atior Repo	rt ort	Caracaman.		IUL		w.a
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	N. Thor	npson - Sta	te MSC #	16-1			Union #7		7		4/27/2	2004 ny Repres	entative		May 4,	2004
MD	TVD	<u>Foota</u>	<u>ge</u>	AFE	<u>No.</u>	'	AFE Amou	TUT	Auth. TD.		Compar	IV IXODIOS	entauve			
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		Waiting	on perm	nit			Rig Fax:									
Current \	Veather	MMS	/isit		NPDES			on Loc.:		BOP Test	Date		RKB	RIG ELEV		ft
Wind:		Yes Incs?	☐ No	LC50	Sample	Date		rator	Next	BOP Test	Date		Water Depth	1		ft
Seas: Sky:		iiics:		Pass?	Yes	□No	Ser	vice					RKB-CHF			ft
G REC	ORD asing Stri	na	OD	Wt.	Grade	Conn.	Jts.	Run	Setting	Depth	Liner	Тор	MW when		LOT	
	asing Su		00	***					MD	TVD	MD	TVD	Run	Pres	EMW	Leako
					 	 										
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ength:	WT.	VIS	PV		Smpl	F.L.				lours		3/4 SD %	MBT			
Length: JD DAT	WT.	VIS	PV		Smpl	F.L.	Shake	r Screens	Н	ours Cent.		3/4 SD %	MBT			any
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15. Rig Repair
16. Run Casing
17. Service Rig
18. Sidetrack Op.
19. Stuck Pipe
20. Survey
21. Trips
22. Tst. BOPs
23. UR/HO

24. W.O.W. 25. Wash & Ream 26. Well Control

27. WOC 28. Other

\$15,463

\$15,463

RECEIVED

DEC 1 3 2004

eterial on Board Cement: Barite:

Fuel Usage

8bis Bbis

Rig Downtime Daily Cum.

Daily Cum. DIV OF OIL, GAS & MININ Previous Cost

sx Daily Cost
Cum. Cost

	 PPI	
177	Technol	ogy
	Services	S

MSC Exploration Daily Drilling Report

		ock, Lease a					Contract I	-	DOL 6	DFS		Location /2004	Spud	Date		rt Date 3, 2004
MD	TVD	Foot			No.		AFE Amo		Auth. TD.		<u></u>	ny Repres	sentative			·
	<u> </u>	Preser	nt Operati	ion.		L	Rig Phon	IB.	<u> </u>			Toolpushe	er			
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Wind:	t Weather	MMS Yes	VISIT No	LC50) Sample	Date		erator		BOF 16St	Date	· · · · · · · · · · · · · · · · · · ·	RKB	NO LLL		ft
Seas:		Incs?	Yes				Cont	tractor	Next	BOP Test	Date		Water Dept	h		ft
Sky: SING RE	CORD	<u> </u>	∐ No	Pass?	∐Yes	No	Sei	rvice	<u> </u>	Į.			RKB-CHF			ft
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2												3/4				
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Longer.			Jii.													
MUD DA	TA															
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PIT	CII	iorides	Ca		Temp	Temp	#1	#2	Desand	urs M Cent.	lud Engine	9 9 7	ļ	M	ud Compa	ny
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	Chi	orides	C	a++	Temp	F.L. Temp	Shake	Screens	н	lours	Mud Engin	eer		N	Aud Compa	ny
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FROM	ТО	HOUR	Code				Crew	Boat Name	:				Status:	Time C		
0600	0600	ļ			1 14		1 04.00	WO ratho	lo rio				H Ac	tivity	ummary Daily	Cum.
		-	-	Verba	ıı permit	approva	ıı given.	VVO Tauric	ne rig.				1. Mob/D			
	+	 	1	t									2. Cemer			
													3. Circula			ļ
														onal Work	+	
		ļ		 									5. Drilling 6. Drive f		 	
	 	1		╁									7. Fishing			
		-		 									8. OH Lo			

9. Lost Circ. 10. Drill Cmt./LOT 11. N.U./ N.D. 12. P.U./L.D. BHA 13. P.U./L.D. Pipe 14. R/U; R/D 15. Rig Repair 16. Run Casing 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 22. Tst. BOPs 23. UR/HO 24. W.O.W.

25. Wash & Ream 26. Well Control

\$15,463

\$15,463

27. WOC 28. Other Total

RECEIVED

DEC 13 2004

Total Hours
Rig Downtime
Daily
Cum.

Daily Cum. Fuel Usage

Bbls Bbls terial on Board

Cement: Barite: Previous Cost

SX

Cum. Cost

R	PPI Tech Servi	nology ices
	Bloc	k, Lease ar
	N. Tho	mpson - Sta
MD	TVD	Foota
		Presen
		Waiting

MSC Exploration Daily Drilling Report

	Serv	ck. Lease at	nd Well N	Jo			Contract f	Ria	DOL.	DES	Date on	Location	Spud	<u>Date</u>	Repor	rt Date
		mpson - Sta		#16-1			Union #	ŧ7	8		4/27/	/2004				, 2004
MD	TVD	Foota	age	AFE	No.	-	AFE Amo	unt	Auth. TD.		Compa	ny Repres	entative			_
		Preser	nt Operation	ion		<u> </u>	Rig Phon	ne:	L	· · · · · · · · · · · · · · · · · · ·		Toolpushe	or .			
			g on pern				Rig Fax:									
							Sinala			TOO TOO	3.1.			5'0 ELEV	TATIONS	
	t Weather	MMS			NPDES Sample	Date		on Loc.:		BOP Test	Date		RKB	RIG ELEV		ft
Wind: Seas:		Incs?	No Yes		Sampre	Date		tractor	Next	BOP Test	Date		Water Depth	h		ft
Sky:		11100.		Pass?	Yes	□No		rvice					RKB-CHF			ft
ING REC																
(Casing Stri	ing	OD	Wt.	Grade	Conn.	Jts.	. Run	Setting MD	g Depth TVD	Liner MD	r Top	MW when Run	Pres	LOT EMW	Leakoff?
									IVI	100	IVIL	175	Fater,			LUG
						<u> </u>						<u> </u>	ļ		 1	
			 	 !	\vdash	 	<u> </u>		<u> </u>	<u> </u>				<u> </u>		<u> </u>
AND H	VDRAULK	CS RECOR	<u></u>	——						<u></u>						L
BIT		Bit Type	e and	·					Total				Avg		Grade	
No	Size	Manufa	cturer	Serial N	Number	<u>_</u>	Jets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
	+													<u> </u>		
Bit Re	emarks:			<u> </u>			Cum. F	ROT. Hrs	PU	Wt	so	Wt_	ROT	Wt	Tor	que
Pump														Slow	Pump Pres	
No.	Stroke	e X Liner	Output	SPM	GPM	Pre	ssure	JV	Рb		v	Speed	SPM	Pump #1	Pump Pres: Pump #2	Pump #3
			gps	<u> </u>		<u></u>	·			DC	DP	1/4				
2												1/2 3/4				
BHA												317				
Length:		Descrip	ption:													
UD DAT	Α															
	WT.	VIS	PV	ΥP	GELS	WL	нтнр	CAKE	SLDS %	LGS %	OIL %	SD %	мвт	рН	Pm	Pf/Mf
Τ																
			ــــــــــــــــــــــــــــــــــــــ	——								L		I		
	Τ				Smpl	F.L.							r :			
***	Chic	orides	Ca	1++	Temp	Temp		Screens			lud Engine	er	<u> </u>	М	lud Compan	ny
भा							#1	#2	Desand	Cent.						
			<u> </u>				#3	#4	Desilt	Mud CI	Daily Cos'			Cu	mulative Co	ost
									*****		-					
ONAL S	"EVEVS															
IONAL SI	URVEYS	TVI	D	ANO	3LE	Dire	ection	Coord	inates	I	/s_	DL		CLOS	URE	
		ΤV	D	ANC	GLE	Dire	ection	Coord	inates	I				CLOS	URE	
M		TV	D	ANG	GLE	Dire	ection	Coorc	inates	I				CLOS	URE	
TIONS SU	UMMARY IME		Time	ANC	GLE		Supply Bo	oat Name:	Inates	I			Status:	CLOS	URE	
IONS SU	UMMARY IME	HOUR			GLE		Supply Bo		linates	I			Status: Status:			
IONS SU	UMMARY IME		Time Code	Boats:			Supply Bo	oat Name:	inates	I			Status:	Time Su	immary	Cum.
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IONS SU	UMMARY IME		Time Code	Boats:			Supply Bo	oat Name:	iinates	I		DL	Active 1. Mob/Def 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circulate	Time Survity Mob enal Work pe	immary	Cum.
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ONS SU	UMMARY IME		Time Code	Boats:			Supply Bo	oat Name:	dinates	I		DL	Active Active 1. Mob/Def 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circulate 10. Drill Cri 11. N.U./ N 12. P.U./L.I 13. P.U./L.I 14. R/U; R/ 15. Rig Rep 16. Run Ca 17. Service	Time Survity Mob e mal Work pe ging c. nt./LOT I.D. D. BHA D. Pipe //D pair asing p Rig	immary	Cum.
ONS SU	UMMARY IME		Time Code	Boats:			Supply Bo	oat Name:	ilinates	I		DL	Active Active 1. Mob/Def 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circulate 10. Drill Cri 11. N.U./ N 12. P.U./L.I 13. P.U./L.I 14. R/U; R/ 15. Rig Rep 16. Run Ca	Time Survity Mob enal Work pe ging c. nt./LOT I.D. D. BHA D. Pipe //D pair asing e Rig ck Op.	immary	Cum.
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IONS SU	JUMMARY ME TO 0600		Time	Boats:	mit		Supply Bo Crew Bo	oat Name:	ilinates	I	//S	DL	Activation Activation Activation Activation Activation 1. Mob/Def 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pig 7. Fishing 8. OH Logg 9. Lost Circulate 10. Drill Cm 11. N.U./ N 12. P.U./L. I 13. P.U./L. I 14. R/U; R/ 15. Rig Reg 16. Run Ca 17. Service 18. Sidetrate 19. Stuck P 20. Survey 21. Trips 22. Tst. BO 23. UR/HO 24. W.O.W. 25. Wash & 26. Well Co 27. WOC 28. Other Total	Time Survity Mob enal Work pe ging c. nt./LOT I.D. D. BHA D. Pipe //D pair asing a Rig ck Op. Pipe	mmary Daily	Cum.
FROM 0600	MD UMMARY ME TO 0600 Indicate the second of the secon		Time Code	Boats: WO peri	mit special sp		Supply Bo Crew Bo	oat Name:		I	/S	DL	Activation Activation Activation 1. Mob/Def 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cm 11. N.U./ N 12. P.U./L. 13. P.U./L. 14. R/U; R/ 15. Rig Rep 16. Run Ca 17. Service 18. Sidetrac 19. Stuck P 20. Survey 21. Trips 22. Tst. BO 23. UR/HO 24. W.O.W. 25. Wash & 26. Well Co 27. WOC 28. Other Total	Time Survity Mob e mal Work pe ging c. nt./LOT I.D. D. BHA D. Pipe //D pair assing a Rig ck Op. Pipe	mmary Daily	Cum.

PPI Technology Services		•		
Block, Lease and Well No.	Contract Rig	DOL	DFS	Date on Locati
N Thompson - State MSC #16-1	Union #7	22	6	4/27/2004



No.		PPI Techno Servic					Da"	ily [Orilli	ng F	Repo	rt		OUIVI			
Description Description	·	Block.	Lease and					ontract R		DOL	DFS	Date on L					
Total	MD	TVD	Foota			No.	P		nt /			Compan			er .		
WINDERSON WINDERSON WINDERSON Propose on Loc. Supply WINDERSON W	05	505	Present		_			-): :				oolpushe	<u> </u>			
Mark Mark											DOD Took	Note .				ATIONS	
March Deck Ves		Veather					Date									15	
	eas:			Yes						Next	BOP Test	Date			h .		
Casing String	RECO									0.44	Dooth	Liner	Top	I MW when		LOT	
	C	asing Strin	9	OD	Wt.	Grade	Conn.	Jts.	Run	MD	TVD				Pres		Leakoff
SE STATE Second					24			1	2					Air			
Bit Type and Service																	
1																	
1																	
No		DRAULIC					Γ								Tanth		Gage
Bit Remetits	No				Serial	Number					كالزيج المنافقة				looun	bearing	Gage
Stoke X Liner Output SPM GPM Pressure JV Pb AV Speed SPM Fump F1 Fump #2 Fump Pressure JV Pb AV Speed SPM Fump #2			C62.	30					OT Hrs	PI	I WA	so	Wt	RO*	T Wt	Tor	que
No. Shoule X Liner Curput SPM GPM Pressure JV Pb AV Speed SPM Pump #1 Fump #2 Pump #2 Pump #3	3it Ren	narks:						Juni. F							I Slow	Pumo Pres	sures
Air Compressor 2500 250 250 1/2 3/4 3/4		Stroke	X Liner	Output	SPM	GPM	Pre	essure	٦٧	Pb			THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	SPM	Pump #1	Pump #2	Pump #
Description: Nammer bit 12.25 (.44) Nammer (6.27) bell sub 92.3' 15 -6' dc (.453.10')	_	Air Com	procesor	سسكب		<u> </u>	1	250			DC	DP					
Description: Description: hammer bit 12.25 (.44'). hammer (6.27), bell sub 92.3), 15 -8" do (.453.10')	2	Air Coil	ipressor	2500									3/4			<u></u>	
Chlorides			Descri	ption:	hamme	r bit 12.2	5 (.44') ,	hammer (6.27), b el l	sub 92.3'),	15 -6" dc	(.453.10')					
WT. VIS PV YP GELS WL HTHP CAKE SLDS % LOS % OIL % SD % MBT PH Pm PFM																	
WT. VIS PV VP GELS WL H1HP OAR SLUS 96 CSS 96 OR. W OR 96 OR. W OR 96 OR. W OR 96 OR. W OR 96 OR. W OR 96 OR 9	DAT	A		,				T	T 0.145	10,000	1,00%	OII 94	SD %	MRT	l pH	Pm	Pt/M
Chlorides	T	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS 70	OIL 76	30 %				
Chlorides							1			<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u></u>		1
Status S				T				Shake	Screens	Н	ours f	Aud Engin	eer			Mud Compa	iny
NAL SURVEYS MD		Chic	ondes	, , , , , , , , , , , , , , , , , , ,	<u>a</u> ++	10	1										
MD				<u> </u>			1	#3	#4	Desilt	Mud CI		st				Cost
MD	NAL S	URVEYS													CI ()		
Status S	N	ΔĎ		_			Di	rection	Coor	rdinates		vs	DL	<u> </u>	ÇEO	JONE	
Time Boats: Supply Boat Name: Status: Stat					1		1			1	1	<u> </u>		<u> </u>			
Time Summary	TI	ME											_				
1000 1030 0.5 3 Cleaning hole 1.00 1.					_	lling to 5	05' MD	CIGWI	JOHN HAIR	<u>. </u>							Cun
1100 1200 1.0 21 POH w/ 4 stands. Hole clean - no problems 2. Cement 4.5 4.5 4.5 1200 1400 2.0 3 Cleaning hole prior to run casing 3. Circulate 2.5 2.5 1400 1530 1.5 12 LD air hammer and tools 4. Directional Work 1530 1600 0.5 16 RU T & M Casers casing crews. 5. Drilling 4 35 1600 1730 1.5 2 WO B J Cementing Crews & equipment. Called for @ 1000 hrs 6. Drive Pipe 1730 1900 1.5 16 Run 12 jts. Of 8-5/8", 24.0 #/h., J55, STC casing to 505'. 7. Fishing 1900 2200 3.0 2 RU B J Cementing. Held safety meeting, circulate and cement w/ 367 sxs 6. OH Logging 9. Lost Circ. 10. Drill Cmt./LOT 0.7					_		V 2 do									Daily	16
1400 1400 2.0 3 Cleaning hole prior to run casing 3. Circulate 2.5 2.5 1400 1530 1.5 12 LD air hammer and tools 4. Directional Work 1530 1600 0.5 16 RU T & M Casers casing crews. 5. Drilling 4 35 1600 1730 1.5 2 WO BJ Cementing Crews & equipment. Called for @ 1000 hrs 6. Drive Pipe 1730 1900 1.5 16 Run 12 jts. Of 8-5/8", 24.0 #/ht., J55, STC casing to 505". 7. Fishing 1900 2200 3.0 2 RU BJ Cementing. Held safety meeting, circulate and cement w/ 367 sxs 8. OH Logging 1900 2200 3.0 2 RU BJ Cementing. Held safety meeting, circulate and cement w/ 367 sxs 8. OH Logging 1900 2201 3.0 27 Walting on cement 10. Drill Cmt./LOT 0.7 1000 0600 2.0 11 Cut 16" and 8-5/8". RU and installing Cooper Cameron 8-5/8" SO x 11", 11. N.U./ N.D. 2 2 2 1000 2.0 3 3 3 3 3 3 3 3 3					POH	w/ 4 star	nds. Ho	le clean		ems				2. Ceme	nt		4.5
1,50					Clean	ing hole	prior to	run casii									2.5
1730 1.5 2 WO BJ Cementing Crews & equipment. Called for @ 1000 hrs 6. Drive Pipe 1730 1900 1.5 16 Run 12 jts. Of 8-5/8", 24.0 #/ft., J55, STC casing to 505". 7. Fishing 7. Fishing 9. Lost Circ.					RUT	& M Cas	sers cas	ing crew	s					5. Drilling			39
1.5 16 160 1.5 16 17 18 18 18 18 18 18 19 19					WO E	J Ceme	nting C	24 0 #/6	quipment.	Called for	or @ 1000 to 505'	hrs		_			
Of Class G, 2% Cacl2, 1/4# celo @ 600 psi 9, Lost Circ. 10, Drill Cmt./LOT 0.7 0.7 0.400 0.600 2.0 11 Cut 16" and 8-5/8". RU and installing Cooper Cameron 8-5/8" SO x 11", 11, N.U./ N.D. 2 2 2 2 2 2 2 2 2			 		RU B	J Cemer	nting. H	leld safet	y meeting	, circulate	and cem	ent w/ 36	7 sxs	8. OH Lo	gging		-
0400 0600 2.0 11 Cut 16" and 8-5/8". RU and installing Cooper Cameron 8-5/8" SO x 11", 11. N.U./ N.D. 2 2 2 2 2 3 3 3 3 2 2	2200	0400			of Cla	ss G, 2º	% Cacl2										0.7
3M casinghead 12. P.U./L.D. BHA 1.5 3.7 13. P.U./L.D. Pipe 14. R/U; R/D 15. Rig Repair Mark Jones w/ Dept. of Natural Resources notified on 8-5/8" cementing 16. Run Casing 2 2 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 20. Survey 20. Survey 30.5 1. 21. Trips 1 1 22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Ream			4		Cut 1	6" and 8	-5/8". F	RU and in	stalling C	ooper Ca	meron 8-5	5/8" SO x	11",	11. N.U.	/ N.D.		2 7
14. R/U; R/D 15. Rig Repair																1.5	3.7
Mark Jones w/ Dept. of Natural Resources notified on 8-5/8" cementing 16. Run Casing 2 2 2 2 2 3 3 3 4 4 4 5 5 4 5 5 5 5		1	 											14. R/U;	R/D		
Mark Jones W/ Dept. of Natural Resources Houlded Street		_				1	ıl Deet	of blot-	i Passur	ree notific	nd on R. F/	3" cameni	ting			2	2
18. Sidetrack Op. 19. Stuck Pipe 20. Survey 21. Trips 1 22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Ream		-							r.esoul	Jed HUUIR	Jii U-J/(17. Serv	ice Rig		1
20. Survey 0.5 1. 21. Trips 1 1 22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Ream		1														+	$\pm -$
22. Tst. BOPs 23. UR/HO 24. W.O.W. 25. Wash & Ream		 	<u> </u>											20. Surv	ey		1.
PECEIVED 23. UR/HO 24. W.O.W. 25. Wash & Ream					1											1	
DEC 1 3 2004 27. WOC 6 6 6 6 6 7. WOLD 1. WOLD			1		1					F	FA	• • • • • • • • • • • • • • • • • • • •		23. UR/I	НО		T
DEC 1 3 2004 26. Well Control 27. WOC 6 6 6 28. Other 28. Other Total 24		ļ		_							LUE	IVEL)				
01V. OF OIL, GAS & MINIMO Total 24 7		-			1					D	EC 13	200+		26. Well	Control		
Total 24 7					-			-		אל חבי	<u> </u>	~444				6	1 6
				1						<u> </u>	HL, GAS	& MINII	Vo.			24	79

			nology ices				Da	aily	Drill	plor ing	Rep	ort				;	3 3 Tay
Γ			ck, Lease a mpson - Si					Contract Union #		<u>DOL</u> 10	DFS		Location /2004	Spud	Date		rt Date 7, 2004
ŀ	MD	TVD	Foot			E No.	†	AFE Amo		Auth. TD.	<u> </u>		ny Repres	sentative		,,,,,	,,2001
ŀ		<u> </u>	Prese	nt Operat	ion		l	Rig Phor	ne:				Toolpushe	er e			
L			W	O rathole				Rig Fax:					<u> </u>				
r	Current	Weather	MMS	Visit		NPDES		People	on Loc.:		BOP Test	Date		1	RIG ELE	VATIONS	
	Wind:		Yes	☐ No		0 Sample	Date		erator					RKB			ft
ŀ	Seas:		Incs?	☐ Yes	Pass?	Yes	□No		tractor	Nex	BOP Test	t Date		Water Dept RKB-CHF	h		ft
ASI	NG REC	ORD															
ſ		Casing Str	ing	OD	Wt.	Grade	Conn.	Jts	. Run	Setting MD	g Depth TVD	Line MD	TOP TVD	MW when Run	Pres	LOT EMW	Leakoff?
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ŀ				 	 	 	├			 	 	<u> </u>		.	 	 	
t											<u> </u>						
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ΕĎ		YDRAULIC	S RECOR													•	
1	BIT No	Size	Bit Typ Manufa		Serial	Number		lets .	Depth In	Total Footage	Hrs	WOB	Rpm	Avg ROP	Tooth	Grade Bearing	Gage
ľ					00.10.				S S S S S S S S S S S S S S S S S S S	. colage	1110	1,,,,,,				Dodawy	Cago
F	Dit D				L ,												
1	BITRE	emarks:						Cum. I	ROT. Hrs	PC	Wt	so	Wt	ROT	Wt	To	rque
F	ump No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure	٦٧	Pb	,	١٧	Speed	SPM	Slow Pump #1	Pump Pres	ssures Pump #3
Ļ				gps		-			<u> </u>		DC	DP	1/4				
1	1			<u></u>	-				 			 	1/2 3/4			ļ	
_	ВНА								 		·		5/4			<u> </u>	L
F	Length:		Descri	ption:													
ŀ																	
M	JD DAT	Ā															
		WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	рН	Pm	Pf/Mf
1	PIT						-										
t				L				·	<u> </u>		I	<u> </u>		<u> </u>	L		
		Chlo	orides	Ca	1++	Smpl Temp	F.L. Temp	Shaker	Screens	Но	ours M	fud Engine	er			lud Compa	nv
F	T.							#1	#2	Desand							
\vdash		I						#3	#4	Desilt	Mud CI	Daily Cost	!		C	mulative C	ost
L										Doom	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						

1						#3 #4	Desilt	Mud Cl	Daily Cos	t		Cu	mulative Co	ost
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	URVEYS													
	MD	TV	D	ANGLE	Directio	n Coo	dinates	\	/S	DL		CLOS	URE	
				<u> </u>					ļ	ļ				
TIONS S	UMMARY	,		L	<u> </u>		<u> </u>			<u> </u>				
	IME	т —	Time	Boats:	Sun	ply Boat Name					Status:			
FROM		HOUR	Code	000.0.		ew Boat Name				-	Status:			
0600	0600			1							T TIME	Time Su		
		 	— ——	WO rathole rig	7.						Activ		Daily	Cum.
	 	 		TO Idailoid IIg	·								Daily	Cum.
	+	+			-						1. Mob/Del	NOD		
	 										2. Cement			
	 										Circulate			
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<u> </u>	 										5. Drilling			
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											7. Fishing			
		 									8. OH Logg			
		-									9. Lost Circ			
		 									10. Drill Cm			
	-	-									11. N.U./ N			
	 										12. P.U./L.0). BHA		
ļ											13. P.U./L.[). Pipe		
	-										14. R/U; R/	D		
	<u> </u>	ļ									15. Rig Rep	oair		
		<u> </u>									16. Run Ca			
											17. Service			
	1										18. Sidetrac			
											19. Stuck P			
											20. Survey			
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											21. Trips 22. Tst. BO			
					- **		~				23. UR/HO	-5		
											24. W.O.W.			
		† 									25. Wash &			
											26. Well Co	ntrol		
		 									27. WOC			
											28. Other		<u> </u>	
Total	Hours	 			-						Total			
Rig Do			Fuel Us	age	terial on Boa	rd				Dec. de				
Daily		Daily		Bbls	Cement:			sx		Previous (Daily Cos	ost	\$15,4	163	
Cum.														



MORNING REPORT

						DATE 2) MAY, 200	94
COMPANY &	WELL _	MSC . STAT	TE MSC 16-1	NE/NE	SEC 16 T21	S R20E GRAI	ND UTAH	
06:00 AM	PRESENT	ACTIVITY	WAIT ON N	EW BOOS	TER FOR	AIR DRILLING	3	
DEPTH TODA	AY <u>937'</u>	YES	TERDAYS D	EPTH .	505'	FT/24 Hr	432'	
FORMATION	NOW DRILL	ING IN	MANCOS S	SHALE		<u> </u>		
FORMATION	TOPS							
PROJECTED !								
BACKGROUN	ND GAS 1	TR	IP GAS N	IA A	Т	,	^{AT}	
CONNECTIO	N GAS N	<u>11L</u>		_ DOWN	TIME GAS	S NIL		
GAS SHOWS	AND DRILL	ING BREA	KS					
DEPTH NO	ROP	PEAK	BG GAS	<u>C</u> 1	C ₂	C ₃	C ₄	Other
NO	SHOWS				 	 		
		<u> </u>	 		 			
		 			 	+		
			 		 	+		
	<u> </u>			 	 	+		
					<u> </u>			
LITHOLOGY	100% SHAI	LE: gy-m gy,	sbblky,rthy,fr	m,calc				
<u></u>								
Sample qualit	y fair with air	drilling			Weat	her conditions	65 Deg o	alm
			•					
BITS & TRIP	S BIT # 2	7 7/8" MA	RQUIS HAM	MER				
WOB 8-10	RPM 60	PP	350 SPM		LAG _5_	MIN@ CL	900'	FEET
MUD AT A	IR WT	VI	S WI	<u> </u>	PH	CL	HARD	·

Remarks MUD LOGGERS ON LOCATION.. RIGGED UP 5/19/04 17:00 HRS DRILLING CEMENT DRILL TO 937' BOOSTER BLEW HEAD GASKET..WAIT ON NEW BOOSTER

SURVEYS

```
*head
*head
*101 "OPERATOR" "MSC EXPOLORATION"
*102 "WELL" "STATE MSC 16-1"
*103 "LOCATION" "SEC 16 T21S R20E"
*104 "COUNTY" "GRAND"
*105 "STATE" "UTAH"
*106 "SPOT" "NE/NE 1270 FNL 800 F
*107 "ELEVATION" "GL; 5254' KB 52
*108 "FIELD" ""
*201 "FOUR PATE" "E (17/04"
                              800 FEL"
                             KB 5271'"
     "SPUD DATE" "5/17/04"
*201
               - ,, ,,
*202
     "TD DATE"
     "DATES LOGGED" "5/19/04 to"
"DEPTHS LOGGED" "500' to
*203
                                   td"
*204
*205 "LOGGERS" "SPENCER/TONNSEN"
*206 "DRILLING FLUID" "AIR TO"
*207 "DRILLING RIG" "UNION # 7"
*208
*endh
        501.04 0.754 0.000 0 "PASON SYSTEMS USA ~EDR/AL/HIGH SPEED~GAS
*comm
CHROMATOGRAPH~ON LOCATION AND RIGGED~UP 17:00 HRS~5/19/04"
*comm 508.14 0.000 0.000 0 0 "BIT # 2~MARQUIS~HAMMER~7 7/8"~IN AT 505'"
                               0 "SET 8 5/8" SURFACE CASING~AT 505'- 12 JOINTS-J 55
*comm
        519.02 0.756 0.000
                            0
24#"
*comm
        519.49 0.520 0.000
                            0
                                 "DRILLING~WITH~AIR~VERY~POOR~SAMPLES"
                               0 "WOB 8~RPM 60~AIR"
*comm
        554.03 0.090 0.000
                            0
                                 "5-20-04"
        928.25 0.114 0.000
936.76 0.757 0.000
*comm
                            0
                               0 "DRILL TO 937'~BLEW UP BOOSTER~WAIT ON NEW BOOSTER"
*comm
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*rops
        500.00 0.00 1.00 0
        600.00 0.00 1.00 0
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        800.00 0.00 1.00 0
*gass
        500.00 0.00 100.00
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        600.00 0.00 100.00 0
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        600.00 0.00 10000.00 0
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*lith
                 600.00
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                                    "SH: m-dk gy,sbb]ky,rthy,frm,ca]c"
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                                    "SH: m-dk gy, sbb]ky, rthy, frm, ca]c"
*lith
                 622.55
        622.55
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*lith
        673.02
                 673.02
                                    "SH: m-dk gy, sbb]ky, rthy, frm, ca]c"
                          673.02
                 724.14
772.10
                                     "SH: m-dk gy, sbb]ky, rthy, frm, ca]c"
*lith
        724.14
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                                    "SH: m-dk gy,sbblky,rthy,frm,calc"
*lith
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                          773.99
                                    "SH: m-dk gy, sbblky, rthy, frm, calc"
*lith
        824.38
                 824.38
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                 874.23
                                    "SH: m-dk gy, sbb]ky, rthy, frm, ca]c"
*lith
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*ilit
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*esym
        503.54
                  0.268 22
*esym
        503.65
                  0.248 2
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Page 1

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16-1.crv
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16-1.txt
0 0
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1.000000
1.000000
1
DST INTERVAL
CORE RECOVERED
CORE LOST
HISTOGRAM
logo.bmp
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0.000000 0.000000
0.000000 0.000000
0 0
240.000000
490.000000 1000.000000
1
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golden.cod
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1
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CORE RECOVERED
CORE LOST
DST INTERVAL
ROTATING
SLIDING
CANISTER
MUD LOG
MUDLOG.FMT
 0 0 0 0 0 0 0 0
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0	506.00	0	0.000 0.300	0.00 0.01	0	0	0	0
0	507.00	0	0.000 0.367	0.00 0.01	0	0	0	0
0	508.00	0		0.00 0.01	0	0	0	0
0	509.00		0.000 0.567	0.00 0.01	0	0	0	0
0	510.00	0	0.000 0.600	0.00 0.01	0	0	0	0
0	511.00	0	0.000 0.600	0.00 0.01	0	0	0	0
0	512.00	0	0.000 0.567	0.00 0.01	0	0	0	0
0	513.00	0	0.000 0.533	0.00 0.01	0	0	0	0
0	514.00	0	0.000 0.400	0.00 0.01	0	0	0	0
0	515.00	0	0.000 0.300	0.00 0.01	0	0	0	0
0	516.00	0	0.000 0.367	0.00 0.01	0	0	0	0
0	517.00	0	0.000 0.500	0.00 0.01	0	0	0	0
0	518.00	0	0.000 0.467	0.00 0.01	0	0	0	0
0	519.00	0	0.000 0.500	0.00 0.01	0	0	0	0
0	520.00	0	0.000 0.500	0.00 0.01	0	0	0	0
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0	525.00	0	0.000 0.633	0.00 0.01	0	0	0	0
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0	528.00	0	0.000 0.467	0.00 0.01	0	0	0	0
0	529.00	0	0.000 0.500	0.00 0.01	0	0	0	0
0		0	0.000	0.00				

	530.00		1.080	0.01	0	0	0	0
0	531.00	0	0.000 0.233	0.00 0.01	0	0	0	0
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0		0	0.000	0.00		-		
0	533.00	0	0.367 0.000	$\begin{array}{c} 0.01 \\ 0.00 \end{array}$	0	0	0	0
0	534.00	0	0.333 0.000	0.01 0.00	0	0	0	0
	535.00		0.333	0.01	0	0	0	0
0	536.00	0	0.000 0.367	$\begin{array}{c} 0.00 \\ 0.01 \end{array}$	0	0	0	0
0		0	0.000	0.00	0	0	0	0
0	537.00	0	0.333 0.000	0.01 0.00	0	0	0	U
0	538.00	0	0.333 0.000	0.01 0.00	0	0	0	0
	539.00		0.333	0.01	0	0	0	0
0	540.00	0	0.000 0.333	$\begin{array}{c} 0.00 \\ 0.01 \end{array}$	0	0	0	0
0	541.00	0	0.000 0.367	0.00 0.01	0	0	0	.0
0		0	0.000	0.00				
0	542.00	0	0.333 0.000	0.01 0.00	0	0	0	0
0	543.00	0	0.333 0.000	0.01 0.00	0	0	0	0
	544.00		0.367	0.01	0	0	0	0
0	545.00	0	0.000 0.333	0.00 0.01	0	0	0	0
0	546.00	0	0.000 0.367	0.00 0.01	0	0	0	0
0		0	0.000	0.00				
0	547.00	0	0.400 0.000	0.01 0.00	0	0	0	0
0	548.00	0	0.367 0.000	0.01 0.00	0	0	0	0
	549.00		0.400	0.01	0	0	0	0
0	550.00	0	0.400	0.00 0.01	0	0	0	0
0	551.00	0	0.000 0.433	0.00 0.01	0	0	0	0
0	552.00	0	0.000 0.467	0.00				
0		0	0.000	0.01 0.00	0	0	0	0
0	553.00	0	0.367 0.000	0.01 0.00	0	0	0	0
0	554.00	0	0.400	0.01	0	0	0	0
	555.00	U	0.000 0.333	0.00 0.01	0	0	0	0
0	556.00	0	0.000 0.367	0.00 0.01	0	0	0	0
0		0	0.000	0.00				
0	557.00	0	0.367 0.000	0.01 0.00	0	0	0	0

	558.00		0.367		0	0	0	0
0	559.00	0	0.000 0.433	0.01	0	0	0	0
0	560.00		0.000 0.267	0.00 0.01	0	0	0	0
0		0	0.000	0.00 0.01	0	0	0	0
0	561.00		0.000	0.00				0
0	562.00	0	0.330 0.000	0.01 0.00	0	0	0	
0	563.00	0	0.333 0.000	0.01 0.00	0	0	0	0
	564.00		0.300	0.01	0	0	0	0
0	565.00		0.333	0.01	0	0	0	0
0	566.00	0	0.367	$\begin{array}{c} 0.00 \\ 0.01 \end{array}$	0	0	0	0
0	567.00	0	0.000 0.367	0.00 0.01	0	0	0	0
0	568.00		0.000 0.300	0.00 0.01	0	0	0	0
0	569.00		0.000 0.367	0.00 0.01	0	0	0	0
0		0	0.000	0.00	0	0	0	0
0	570.00		0.333 0.000	0.01				0
0	571.00		0.367 0.000	0.01 0.00	0	0	0	
0	572.00	0	0.333 0.000	0.01 0.00	0	0	0	0
0	573.00	0	0.100 0.000	0.01	0	0	0	0
	574.00		0.167 0.000	0.01	0	0	0	0
0	575.00		0.467	0.01	0	0	0	0
0	576.00		0.000 0.300	0.00 0.01	0	0	0	0
0	577.00	0	0.000 0.533	0.00 0.01	0	0	0	0
0	578.00	0	0.000 0.333	0.00 0.01	0	0	0	0
0	579.00	0	0.000 0.367	0.00 0.01	0	0	0	0
0		0	0.000	0.00	0	0	0	0
0	580.00	0	0.333	0.00				
0	581.00	0	0.333 0.000	0.01 0.00	0	0	0	0
0	582.00	0	0.300 0.000	$\begin{array}{c} \textbf{0.01} \\ \textbf{0.00} \end{array}$	0	0	0	0
0	583.00	0	0.333	0.01 0.00	0	0	0	0
	584.00		0.333	0.01	0	0	0	0
0	585.00	0	0.000	0.00 0.01	0	0	0	0
0		0	0.000	0.00				

	586.00		0.333	0.01	0	0	0	0
0	507.00	0	0.000	0.00	0	0	0	0
0	587.00	. 0	0.333 0.000	0.01 0.00	U	O	O	ŭ
	588.00		0.333	0.01	0	0	0	0
0	589.00	0	0.000 0.367	$0.00 \\ 0.01$	0	0	0	0
0	369.00	0	0.000	0.00	v	J	-	-
	590.00		0.333	0.01	0	0	0	0
0	591.00	0	0.000 0.367	0.00 0.01	0	0	0	0
0	391.00	0	0.000	0.00	Ū	J	·	-
	592.00		0.333	0.01	0	0	0	0
0	593.00	0	0.000 0.333	0.00 0.01	0	0	0	0
0	393.00	0	0.000	0.00	Ū	J	•	
	594.00		0.333	0.01	0	0	0	0
0	595.00	0	0.000 0.400	0.00 0.01	0	0	0	0
0	333.00	0	0.000	0.00	Ū	·	•	
_	596.00	•	0.333	0.01	0	0	0	0
0	597.00	U	0.000 0.333	0.00 0.01	0	0	0	0
0	037.00	0	0.000	0.00	_	_		
_	598.00	•	0.333	0.01	0	0	0	0
0	599.00	0	0.000 0.367	0.00 0.01	0	0	0	0
0		0	0.000	0.00				
•	600.00	^	0.333	0.01	0	0	0	0
0	601.00	0	0.000 0.733	0.00 0.01	0	0	0	0
0		0	0.000	0.00				
^	602.00	0	0.033	0.01	0	0	0	0
0	603.00	U	0.000 0.330	0.00 0.01	0	0	0	0
0		0	0.000	0.00				
0	604.00	٥	0.300 0.000	0.01 0.00	0	0	0	0
U	605.00	U	0.300	0.01	0	0	0	0
0		0			•	•	•	•
0	606.00	0	0.167 0.000	0.01 0.00	0	0	0	0
·	607.00	Ť	0.300	0.01	0	0	0	0
0	600.00	0	0.000	0.00	0	0	0	0
0	608.00	0	0.300 0.000	0.01 0.00	0	0	0	0
Ū	609.00		0.333	0.01	0	0	0	0
0	610.00	0	0.000	0.00	0	0	0	0
0	610.00	0	0.333 0.000	0.01 0.00	0	0	0	0
	611.00		0.333	0.01	0	0	0	0
0	612 00	0	0.000	0.00	0	0	^	^
0	612.00	0	0.333	0.01 0.00	0	0	0	0
	613.00		0.300	0.01	0	0	0	0
0		0	0.000	0.00				

•	614.00	_	0.333	0.01	0	0	0	0
0	615.00	U	0.000 0.333	0.00 0.01	0	0	0	0
0	616 00	0	0.000 0.333	0.00 0.01	0	0	0	0
0	616.00	0.	0.000	0.00	U	V		
0	617.00	n.	0.333	0.01 0.00	0	0	0	0
	618.00		0.333	0.01	0	0	0	0
0	619.00		0.000 0.300	0.00 0.01	0	0	0	0
0			0.000			0	0	0
0	620.00	0	0.333 0.000		0	U	U	Ū
0	621.00		0.333		0	0	0	0
U	622.00		0.367	0.01	0	0	0	0
0	623.00	0	0.000 0.367	$\begin{array}{c} 0.00 \\ 0.01 \end{array}$	0	0	0	0
0		0	0.000	0.00		0	0	0
0	624.00	0	0.367 0.000	0.01 0.00	0	0	0	0
0	625.00	0	0.433	0.01 0.00	0	0	0	0
	626.00		0.267	0.01	0	0	0	0
0	627.00		0.000 0.333	0.00 0.01	0	0	0	0
0			0.000	0.00		•	^	•
0	628.00	0	0.333	0.01	0	0	0	0
0	629.00	Λ	0.323 0.000	0.01 0.00	0	0	0	0
	630.00		0.323	0.01	0	0	0	0
0	631.00	0	0.000 0.323	0.00 0.01	0	0	0	0
0		0	0.000	0.00	0	0	0	0
0	632.00	0	0.367 0.000	0.01 0.00 0.01	U	U	U	U
0	633,00	0	0.367 0.000	0.01 0.00	0	0	0	0
0	634.00		0.300	0.01 0.00	0	0	0	0
U	635.00	U	0.367	0.01	0	0	0	0
0	636.00	0	0.000 0.333	0.00 0.01	0	0	0	0
0		0	0.000	0.00				
0	637.00	0	0.367 0.000	0.01 0.00	0	0	0	0
0	638.00	0	0.333	0.01	0	0	0	0
	639.00		0.100	0.01	0	0	0	0
0	640.00	0	0.000 0.167	0.00 0.01	0	0	0	0
0		0	0.000	0.00				
0	641.00	0	0.467 0.000	0.01 0.00	0	0	0	0

	642.00		0.300	0.01	0	0	0	0
0		0	0.000	0.00	_	•	•	0
_	643.00	^	0.533	0.01	0	0	0	0
0	644.00	0	0.000 0.333	0.00 0.01	0	0	0	0
0	044.00		0.000	0.00	•	-		
	645.00		0.367	0.01	0	0	0	0
0		0	0.000	0.00	0	0	0	0
0	646.00	0	0.333 0.000	0.01 0.00	0	U	O	v
U	647.00	U	0.333	0.01	0	0	0	0
0		0	0.000	0.00				
	648.00	_	0.300	0.01	0	0	0	0
0	649.00	0	0.000 0.333	0.00 0.01	0	0	0	0
0	049.00	0	0.000	0.00	Ū	-	-	
-	650.00		0.333	0.01	0	0	0	0
0		0	0.000	0.00	0	0	0	0
0	651.00	0	0.300 0.000	0.01 0.00	0	0	0	U
U	652.00	U	0.333	0.00	0	0	0	0
0	002101	0	0.000	0.00				
	653.00		0.333	0.01	0	0	0	0
0	CE 4 00	0	0.000 0.333	0.00 0.01	0	0	0	0
0	654.00	0	0.000	0.00	U	Ü	V	Ū
Ū	655.00	Ů	0.367	0.01	0	0	0	0
0		0	0.000	0.00			2	^
0	656.00	Λ	0.333 0.000	0.01 0.00	0	0	0	0
0	657.00	U	0.000	0.01	0	0	0	0
0		0	0.000	0.00				
_	658.00		0.333	0.01	0	0	0	0
0	659.00	0	0.000 0.333	0.00 0.01	0	0	0	0
0	039.00	0	0.000	0.00	v	ŭ	J	•
	660.00		0.333	0.01	0	0	0	0
0				0.00	0	0	0	0
0	661.00	0		0.01 0.00	0	0	U	U
J	662.00	Ū	0.333	0.01	0	0	0	0
0		0	0.000	0.00		_		_
^	663.00	^	0.333	0.01	0	0	0	0
0	664.00	0	0.000 0.333	0.00 0.01	0	0	0	0
0	001.00	0	0.000	0.00	•	_	-	
	665.00		0.367	0.01	0	0	0	0
0	666 00	0	0.000	0.00	0	0	0	0
0	666.00	0	0.333 0.000	0.01 0.00	U	O	U	U
Ū	667.00	·	0.733	0.01	0	0	0	0
0		0	0.000	0.00	_	_	_	<u>.</u>
0	668.00	0	0.033	0.01	0	0	0	0
0	669.00	0	0.000 0.333	0.00 0.01	0	0	0	0
0	003.00	0	0.000	0.00	₹	Ž	J	•

	670.00		0.300	0.01	0	0	0	0
0		0	0.000	0.00			•	0
	671.00		0.320	0.01	0	0	0	U
0		0	0.000	0.00	0	0	0	0
•	672.00	_	0.167	0.01 0.00	U	U	O	Ū
0	672 00	0	0.000 0.300	0.01	0	0	0	0
0	673.00	0	0.000	0.00	v	Ū	_	
U	674.00	Ŭ	0.300	0.01	0	0	0	0
0	071.00	0	0.000	0.00				
	675.00		0.333	0.01	0	0	0	0
0		0	0.000	0.00		_	•	•
	676.00		0.333	0.01	0	0	0	0
0		0	0.000	0.00	0	0	0	0
	677.00		0.333	0.01	0	0	U	O
0	678.00	0	0.000 0.333	0.00 0.01	0	0	0	0
0	676.00	0	0.000	0.00	v	Ü	•	
v	679.00	Ů	0.300	0.01	0	0	0	0
0	0,5.00	0	0.000	0.00				
	680.00		0.333	0.01	0	0	0	0
0		0	0.000	0.00			_	_
	681.00		0.333	0.01	0	0	0	0
0		0	0.000	0.00	0	0	0	0
^	682.00	0	0.333	0.01	0	0	U	U
0	683.00	0	0.000 0.333	0.00 0.01	0	0	0	0
0	003.00	0	0.000	0.00	Ū	·	-	
Ŭ	684.00	Ū	0.333	0.01	0	0	0	0
0		0	0.000	0.00				
	685.00		0.300	0.01	0	0	0	0
0		0	0.000	0.00	_			•
	686.00	_	0.333	0.01	0	0	0	0
0	607 00	0	0.000	0.00 0.01	0	0	0	0
0	687.00	0	0.333 0.000	0.00	O	O .	v	Ū
Ū	688.00	•	0.300	0.01	0	0	0	. 0
0		0	9999.000	-9999.00				
	689.00		0.167	0.01	0	0	0	0
0		0	9999.000	-9999.00	_		_	^
_	690.00	_	0.067	0.01	0	0	0	0
0	601 00	0	9999.000	-9999.00	0	0	0	0
0	691.00	0	0.367 9999.000	0.01 -9999.00	U	U	O	v
U	692.00	U	0.300	0.01	0	0	0	0
0	032.00	0	9999.000	-9999.00				
•	693.00	,	0.300	0.01	0	0	0	0
0		0	9999.000	-9999.00				
	694.00		0.300	0.01	0	0	0	0
0		0	9999.000	-9999.00	_			•
^	695.00	^	0.300	0.01	0	0	0	0
0	696.00	0	9999.000 0.300	-9999.00 0.01	0	0	0	0
0	050.00	0	9999.000	-9999.00	U	U ,	9	J
J	697.00	•	0.300	0.01	0	0	0	0
0		0	9999.000	-9999.00				

	698.00		0.267	0.01	0	0	0	0
0		0	9999.000	-9999.00	_	•	•	0
_	699.00	_	0.300	0.01	0	0	0	0
0	500 00	0	9999.000	-9999.00	0	0	0	0
	700.00	^	0.300	0.01	0	0	U	U
0	701 00	0	9999.000	-9999.00	0	0	0	0
0	701.00	0	0.300 9999.000	0.01 -9999.00	O	O	U	· ·
U	702.00	U	0.333	0.01	0	0	0	0
0	702.00	0	9999.000	-9999.00	Ū	v	J	· ·
Ū	703.00	Ŭ	0.267	0.01	0	0	0	0
0		0	9999.000	-9999.00				
	704.00		0.417	0.01	0	0	0	0
0		0	9999.000	-9999.00				
	705.00		0.200	0.01	0	0	0	0
0		0	9999.000	-9999.00		_	_	_
_	706.00	_	0.333	0.01	0	0	0	0
0	707.00	0	9999.000	-9999.00	0	0	0	0
0	707.00	0	0.333	0.01 -9999.00	0	0	0	0
U	708.00	0	9999.000 0.333	0.01	0	0	0	0
0	700.00	0	9999.000	-9999.00	O	O	O	U
Ü	709.00	Ŭ	0.300	0.01	0	0	0	0
0	, , , , , , , , , , , , , , , , , , , ,	0	9999.000	-9999.00	-		-	
	710.00		0.333	0.01	0	0	0	0
0		0	9999.000	-9999.00				
	711.00		0.333	0.01	0	0	0	0
0		0	9999.000	-9999.00				
_	712.00	_	0.367	0.01	0	0	0	0
0	712 00	0	9999.000	-9999.00	•	0	0	•
0	713.00	0	0.300 9999.000	0.01 -9999.00	0	0	0	0
U	714.00	U	0.333	0.01	0	0	0	0
0	714.00	0	9999.000	-9999.00	Ū	Ŭ	V	· ·
•	715.00	-	0.367	0.01	0	0	0	0
0		0	9999.000	-9999.00				
	716.00		0.333	0.01	0	0	0	0
0		0	9999.000	-9999.00				
	717.00		0.333	0.01	0	0	0	0
0	710 00	0	9999.000	-9999.00		•	•	
0	718.00	0	0.333 9999.000	0.01 -9999.00	0	0	0	0
U	719.00	U	0.700	0.01	0	0	0	0
0	119.00	0	9999.000	-9999.00	U	U	U	U
Ŭ	720.00	v	0.067	0.01	0	0	0	0
0		0	9999.000	-9999.00	•	ū	J	J
	721.00		0.300	0.01	0	0	0	0
0		0	9999.000	-9999.00				
	722.00		0.333	0.01	0	0	0	0
0		0	9999.000	-9999.00				
_	723.00		0.300	0.01	0	0	0	0
0	704 00	0	9999.000	-9999.00		•	_	_
^	724.00	^	0.300	0.01	0	0	0	0
0	725.00	0	9999.000 0.300	-9999.00	0	0	0	^
0	123.00	0	9999.000	0.01 -9999.00	0	0	0	0
-		•	2222.000	2222.00				

	726.00		0.333	0.01	0	20.00	0	0	0
0	720.00	0	9999.000	-9999.00					
J	727.00		0.300	0.01	0		0	0	0
0		0	9999.000	-9999.00				_	0
	728.00		0.300	0.01	0		0	0	0
0		0	9999.000	-9999.00	_		0	0	0
	729.00	_	0.300	0.01	0		0	U	V
0		0	9999.000	-9999.00	0		0	0	0
_	730.00	_	0.300 9999.000	0.01 -9999.00	Ü		U	v	ŭ
0	721 00	0	0.300	0.01	0		0	0	0
0	731.00	0	9999.000	-9999.00	J				
J	732.00	Ū	0.300	0.01	0		0	0	0
0	, 02100	0	9999.000	-9999.00					
	733.00		0.300	0.01	0		0	0	0
0		0	9999.000	-9999.00	_		•	•	0
	734.00		0.333	0.01	0		0	0	U
0		0	9999.000	-9999.00	0		0	0	0
_	735.00	^	0.300	0.01 -9999.00	0		U	U	Ū
0	726 00	0	9999.000 0.300	0.01	0		0	0	0
0	736.00	0	9999.000	-9999.00	· ·		•		
U	737.00	Ü	0.333	0.01	0		0	0	0
0	707100	0	9999.000	-9999.00					
-	738.00		0.333	0.01	0		0	0	0
0		0	9999.000	-9999.00				_	•
	739.00		0.333	0.01	0		0	0	0
0		0	9999.000	-9999.00	•		•	0	0
_	740.00	_	0.333	0.01	0		0	0	U
0	741 00	0	9999.000 0.333	-9999.00 0.01	0		0	0	0
0	741.00	0	9999.000	-9999.00	U		•	Ū	
U	742.00	J	0.333	0.01	0		0	0	0
0	, 12.00	0	9999.000	-9999.00					
	743.00		0.333	0.01	0		0	0	0
0		0	9999.000	-9999.00				_	
	744.00		0.333	0.01	0		0	0	0
0		0	9999.000	-9999.00	^		0	0	0
_	745.00	^	0.333	0.01	0		0	U	U
0	746.00	0	9999.000 0.333	-9999.00 0.01	0		0	0	0
0	740.00	0	9999.000	-9999.00	J		-		
Ŭ	747.00	Ū	0.333	0.01	0		0	0	0
0		0	9999.000	-9999.00					
	748.00		0.333	0.01	0		0	0	0
0		0	9999.000	-9999.00				_	_
	749.00		0.333	0.01	0		0	0	0
0		0	9999.000	-9999.00	•		^	0	0
•	750.00	_	0.633	0.01	0		0	0	U
0	751.00	0	9999.000 0.300	-9999.00 0.01	0		0	0	0
0	731.00	0	9999.000	-9999.00	U		· ·	Ü	Ū
V	752.00	•	0.300	0.01	0		0	0	0
0	. = 3	0	9999.000	-9999.00					
-	753.00		0.267	0.01	0		0	0	0
0		0	9999.000	-9999.00					

0	754.00	0.300 9999.000		0	0	0	0	
0	755.00	0.300	0.01	0	0	0	0	
0	756.00		999.00	-9999	-9999	-9999	-9999	
0	757.00		-9999.00 999.00	-9999	-9999	-9999	-9999	
0	758.00	-9999.000 1.033 -9	-9999.00 999.00	-9999	-9999	-9999	-9999	
0	759.00	-9999.000 0.367 -9		-9999	-9999	-9999	-9999	
0		-9999.000 0.267 -9		-9999	-9999	-9999	-9999	
0		-9999.000 0.300 -9		-9999	-9999	-9999	-9999	
0	0	-9999.000 0.300 -9	-9999.00	-9999	-9999	-9999	-9999	
0	0	-9999.000 0.300 -9		-9999	-9999	-9999	-9999	
0		-9999.000 0.300 -9	-9999.00	-9999	-9999	-9999	-9999	
0			-9999.00	-9999		-9999	-9999	
0		-9999.000 0.300 -9	-9999.00	-9999		-9999	-9999	
0		-9999.000 0.300 -9	-9999.00	-9999	-9999		-9999	
0		-9999.000	-9999.00	-9999			-9999	
0	0	-9999.000 0.333 -9	-9999.00		-9999		-9999	
0	0	-9999.000	-9999.00	158	0	0	1	
1	386 771.00	-9999.000	-9999.00 1.61	158	0	0	1	
1		-9999.000	-9999.00	169	0	0	1	
1	386	-9999.000	-9999.00					
1	773.00 386 774.00	-9999.000	1.72 -9999.00 1.93	169 190	0	0	1	
1		-9999.000 0.333	-9999.00 1.93	190	0	0	1	
1		-9999.000 0.300	-9999.00 2.25	222	0	0	1	
1		-9999.000	-9999.00 2.25		0	0		
1		-9999.000	-9999.00 2.29	222	0		1	
1		-9999.000	-9999.00	226	_	0	1	
1	380	-9999.000	1.97 -9999.00	194	0	0	1	
1		-9999.000	1.97 -9999.00	194	0	0	1	
1	781.00 373	0.300 -9999.000	1.71 -9999.00	168	0	0	1	

e e e e

- · +	1	111	372	

	782.00	0.333	1.63	160	0	0	1
1	367	-9999.000	-9999.00		0	0	1
	783.00	0.133 -9999.000	1.63	160	0	U	1
1		-9999.000	-9999.00 1.77	174	0	0	1
-	784.00	0.200 -9999.000	0000 NN	1/4	V	J	-
1		0.333		174	0	0	1
1	369	-9999.000	-9999.00				
_		0.267		169	0	0	1
1		-9999.000					
_	787.00	0.333	1.92	189	0	0	1
1	366	-9999.000			_	•	1
		0.567	1.92	189	0	0	1
1		-9999.000		010	0	0	1
		0.267 -9999.000		212	U	J	-
1	790.00		2.15	212	0	0	1
1		-9999.000		212	·		
-			2.37	234	0	0	1
1	381	-9999.000	-9999.00				
		0.300		234	0	0	1
1	381	-9999.000	-9999.00		_	_	4
		0.300		164	0	0	1
1		-9999.000		164	0	0	1
		0.300		164	0	U	Τ.
1		-9999.000 0.300	1.10	107	0	0	1
1		-9999.000		107	Ů	· ·	
			1 00	185	0	0	1
1	381	-9999.000	-9999.00				
	121.00	0.00	0.00	352	0	0	1
1	414	-9999.000	-9999.00				
	798.00		4.63	424	0	0	37
1		-9999.000		404	0	0	37
7	799.00	0.267 -9999.000	4.63	424	U	U	37
1	800.00	0-333	5.25	479	0	0	44
1		-9999.000	-9999.00	1.0	_		
	801.00		5.25	479	0	0	44
1	415	-9999.000					
	802.00		5.44	498	0	0	44
1		-9999.000		400	0	0	4.4
	803.00		5.44	498	0	0	44
1	804.00	-9999.000	-9999.00 5.69	522	0	0	45
1		-9999.000	-9999.00	322	· ·	· ·	40
_	805.00		5.74	522	0	0	50
1		-9999.000	-9999.00				
	806.00	0.333	5.74	522	0	0	50
1	416	-9999.000	-9999.00				
	807.00		5.56	508	0	0	45
1		-9999.000	-9999.00	E 0.0	^	0	45
1	808.00		5.56 -9999.00	508	0	U	43
1		-9999.000 0.333		476	0	0	44
1		-9999.000		410	•	J	• •
_							

	810.00	0.333	5.23	476	0	0	44
1	427 811.00	-9999.000	-9999.00 5.23	476	0	0	44
1		-9999.000		470	U		
1	812.00		4.75	428	0	0	45
1		-9999.000					
-	813.00		4.75	428	0	0	45
1		-9999.000	-9999.00				
	814.00	0.133	4.75	428	0	0	4 5
1		-9999.000	-9999.00				
	815.00		4.61	414	0	0	45
1		-9999.000		260	0	0	44
	816.00	0.300	4.14	368	0	U	77
1	817.00	-9999.000	-9999.00 4. 14	368	0	0	44
1	428	-9999.000	-9999 00	300	· ·	Ū	• •
_		0.333		327	0	0	42
1		-9999.000					
		0.333		327	0	0	42
1	421	-9999.000	-9999.00				
	820.00		3.15	273	0	0	40
1		-9999.000			_	ā	4.0
_	821.00	0.333 -9999.000	3.15	273	0	0	40
1	822.00		-9999.00 2.42	239	0	0	1
1		-9999.000		233		U	-
_	823.00		2.42	239	0	0	1
1	= : :	-9999.000					
	824.00	0.300	1.75	172	0	0	1
1		-9999.000					
	825.00		1.75	172	0	0	1
1		-9999.000		144	•	0	1
1		0.333 -9999.000		144	0	0	1
1	827.00		3.17	314	0	0	1
1		-9999.000		314	J	· ·	-
_	828.00	0.333	1.60	157	0	0	1
1	444	-9999.000					
	829.00		1.70	167	0	0	1
1		-9999.000	-9999.00	4.5.5	•	•	-
1		0.333 -9999.000	1.80	177	0	0	1
1	831.00	0.667	-9999.00 1.86	183	0	0	1
1		-9999.000	-9999.00	100	Ü	J	_
_	832.00	0.300	1.86	183	0	0	1
1	442	-9999.000	-9999.00				
	833.00	0.333	2.04	201	0	0	1
1		-9999.000	-9999.00				
_	834.00	0.333	2.04	201	0	0	1
1		-9999.000 0.333	-9999.00 2.17	214	^	0	-1
1	835.00	-9999.000	-9999.00	214	0	0	1
Τ.	836.00		2.17	214	0	0	1
1		-9999.000	-9999.00		•	J	*
-	837.00		2.37	234	0	0	1
1	420	-9999.000	-9999.00				

		0.333		242	0	0	1
1		-9999.000 0.333		242	0	0	1
1		-9999.000		272	v		_
1		0.300		244	0	0	1
1		-9999.000	-9999.00				
		0.333	2.47	244	0	0	1
		-9999.000	-9999.00				_
	842.00	0.333 -9999.000	2.49	246	0	0	1
1.				262	0	0	1
1	843.00	0.233 -9999.000	2.66	263	U	U	1
1		0.300		275	0	0	1
1		-9999.000					
	845.00	0.300	2.78	275	0	0	1
1		-9999.000			•	0	1
	846.00	0.333 -9999.000	2.94	291	0	0	1
1	947 00	0.300	-9999.00 2 QA	291	0	0	1
1	401	-9999.000	-9999.00	231	Ū	Ŭ	-
-		0.300		300	0	0	1
1		-9999.000					
		0.300		300	0	0	1
1		-9999.000			•	^	1
1	850.00	0.333 -9999.000	3.13	310	0	0	1
1	851 00	0.300	-9999.00 3.13	310	0	0	1
1	399	-9999.000	-9999.00	310	·	·	
	852.00		3.01	298	0	0	1
1		-9999.000					
_		0.300		298	0	0	1
1		-9999.000 0.300		217	0	0	1
1	393	-9999.000	-9999.00	211	U	V	-
-	855.00	0.333	2.20	217	0	0	1
1		-9999.000					
		0.300		168	0	0	1
1	388	-9999.000			•	•	-
1	857.00	-9999.000	1.71 -9999.00	168	0	0	1
1	858.00		0.03	0	0	0	1
1		-9999.000	-9999.00	· ·	-	-	
	859.00	0.300	2.87	284	0	0	1
1		-9999.000	-9999.00				
1	860.00		2.66	263	0	0	1
1	861.00	-9999.000	-9999.00 2.66	263	0	0	1
1		-9999.000	-9999.00	203	U	U	1
	862.00		1.94	191	0	0	1
1		-9999.000	-9999.00				
	863.00		2.06	203	0	0	1
1		-9999.000	-9999.00		•		
7	864.00	0.333 -9999.000	2.84	281	0	0	1
1	865.00		-9999.00 2.84	281	0	0	1
1		-9999.000			J	•	-

. . .

7	866.00	0.333 -9999.000	2.84	281	0	0	1	
1	867.00	0.333	3.24	321	0	0	1	
1	460	-9999.000						
	868.00		3.24	321	0	0	1	
1		-9999.000		252	_	_		
1	869.00	-9999.000	3.56	353	0	0	1	
_	870.00	0.333	3.63	360	0	0	1	
1		-9999.000	-9999.00	300	O	U	1	
	871.00	0.333	3.63	360	0	0	1	
1		-9999.000						
_		0.333		353	0	0	1	
1		-9999.000			_			
1		0.767 -9999.000		356	0	0	1	
-	874.00	0.300	-9999.00 3 53	350	0	0	1	
1	475	0.300 -9999.000	-9999.00	330	U	O	1 .	
	0/3.00	0.300	3.53	350	0	0	1	
1		-9999.000				_	_	
		0.333		348	0	0	1	
1		-9999.000						
1	877.00		3.45	342	0	0	1	
1	878.00	-9999.000	3.35	332	0	0	4	
1		-9999.000	-9999-00	332	U	0	1	
	879.00	0.333	3.35	332	0	0	1	
1		-9999.000	-9999.00			-	-	
		0.300			-9999	-9999	-9999	-
99		99 -9999.00						
aa	881.UU _00	99 -9999.00	3.56	-9999	-9999	-9999	-9999	-
,,	882.00	0.300	3.56	_99 99	-9999	-9999	-9999	
99		99 -9999.00			3333	9999	-3333	-
	883.00	0.333	3.53	-9999	-9999	-9999	-9999	_
99		99 -9999.00						
0.0		0.367			-9999	-9999	-9999	-
999	99	99 -9999.00			_	_		
1		0.333 -9999.000	3.03	300	0	0	1	
-	886.00		2.25	222	0	0	1	
1		-9999.000	-9999.00	222	Ū	V	1	
	887.00	0.300	2.25	222	0	0	1	
1			-9999.00					
	888.00	0.333	1.67	164	0	0	1	
1	415 · 889.00	-9999.000	-9999.00	105	_	_		
1		0.333 -9999.000	1.29 -9999.00	126	0	0	1	
_	890.00		2.87	284	0	0	1	
1		-9999.000	-9999.00	201	. •	U	7	
	891.00	0.333	3.17	314	0	0	1	
1		-9999.000	-9999.00			-	_	
1	892.00		3.18	315	0	0	1	
1		-9999.000	-9999.00	21-	_			
1	893.00 398 -	0.333 -9999.000	3.18 -9999.00	315	0	0	1	
-	350	222.000	9999.00					

· __

1	894.00 0.333 398 -9999.000	3.18	315	0	0	1
1.	895.00 0.333	3.07	304	0	0	1
1	399 -9999.000 896.00 0.333	-9999.00 3.07	304	0	0	1
1	399 -9999.000 897.00 0.367	-9999.00 3.20	317	0	0	1
1	401 -9999.000	-9999.00				1
1	898.00 0.333 401 -9999.000	3.20 -9999.00	317	0	0	
1	899.00 0.333 403 -9999.000	3.13 -9999.00	310	0	0	1
1	900.00 0.333	3.13	310	0	0	1
	901.00 0.367	3.00	297	0	0	1
1	406 -9999.000 902.00 0.333	2.95	292	0	0	1
1	406 -9999.000 903.00 0.333	-9999.00 2.95	292	0	0	1
1	406 -9999.000 904.00 0.333		292	0	0	1
1	406 -9999.000	-9999.00 3.07	304	0	0	1
1	406 -9999.000	-9999.00		-		
1	906.00 0.100 406 -9999.000	3.07 -9999.00	304	0	0	1
1	907.00 0.200 404 -9999.000	3.02 -9999.00	299	0	0	1
1	908.00 0.300 404 -9999.000	3.02 -9999.00	299	0	0	1
		3.00	297	0	0	1
1	910.00 0.367	2.66	263	0	0	1
1	408 -9999.000 911.00 0.400	-9999.00 2.66	263	0	0	1
1	408 -9999.000 912.00 0.400	-9999.00 1.99	196	0	0	1
1	407 -9999.000 913.00 0.367	-9999.00 1.60	157	0	0	1
1		-9999.00 1.60	157	0	0	1
1	405 -9999.000	-9999.00				
1	915.00 0.367 406 -9999.000	1.56 -9999.00	153	0	0	1
1	916.00 0.367 408 -9999.000	1.61 -9999.00	158	0	0	1
1	917.00 0.367 408 -9999.000	1.61 -9999.00	158	0	0	1
	918.00 0.367	1.57	154	0	0	1
1	402 -9999.000 919.00 0.367	-9999.00 1.57	154	0	0	1
1	402 -9999.000 920.00 0.367	-9999.00 1.65	162	0	0	1
1	403 -9999.000 921.00 0.367	-9999.00 1.67	164	0	0	1
1	405 -9999.000		_	-		

		0.333			0	0	1	
1		-9999.000						
		0.367		188	0	0	1	
1		-9999.000						
		0.367		188	0	0	1	
1		-9999.000						
		0.333		232	0	0	1	
1		-9999.000						
		0.367		207	0	0	1	
1		-9999.000						
		0.367			0	0	1	
1		-9999.000						
		0.367		131	0	0	1	
1		-9999.000						
		0.360		0	0	0	1	
1		-9999.000						
		0.380	0.03	0	0	0	1	
1		-9999.000						
		0.833		0	0	0	1	
1		-9999.000						
	932.00	0.367	0.03	0	0	0	1	
1	0	-9999.000	-9999.00					
	933.00	0.467	0.03	0	Q	0	1	
1	-	-9999.000						
		0.333		0	0	0	1	
1		-9999.000						
		0.367	0.03	0	0	0	1	
1		-9999.000						
					-9999	-9999	-9999	-
999		999 -9999.000						
					-9999	-9999	-9999	-
999	99 -99	999-9999.000	9999.	.00				





R	Tech Serv	nology ices					MSC Exaily Drill					UUIII		i e i im	Ē.,
	Bloc	k, Lease ar	nd Well N	<u>lo.</u>			Contract Rig	DOL	DFS	Date on	Location	Spud	Date	Repo	rt Date
	N. Tho	mpson - Sta	te MSC	#16-1		l	Union #7	23	7	4/27/	2004	May 13	, 2004	May 2	0, 2004
MD	TVD	Foota	ge	AFE	E No.	,	AFE Amount	Auth. TD.		Compa	ny Repres	entative			
937	937 432 Present Operation										[c	arl Hulsland	er		
-		Presen	t Operati	<u>on</u>		Rig Phone: (254) 460-2490 <u>Toolpusher</u>									
Ĺ		Rig	Repair				Rig Fax:					Conrad Kinne	у		
					•										
Curren	t Weather	DONR	Visit		NPDES		People on Loc.:		BOP Test	Date			RIG ELE	/ATIONS	
Wind:		✓ Yes	No	LC50) Sample	Date	Operator			5/19/2004		RKB		15	ft
Seas:		Problem?	Yes				Contractor	Next	BOP Test	Date		Water Depth	1		ft
Sky:			☑ No	Pass?	Yes	No	Service					RKB-CHF			ft
ING RE	CORD										·				
	Casing String OD Wt. Grade					Conn.	Jts. Run	Setting	Depth	Line	Тор	MW when		LOT	
					L	L		MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?

Surface			8 5/8"	24	J55	STC		12	505'	505'			Air			
Surrace			0 3/0	24	J55	310		12	505	305					-	
															ļ	
																
														L		
O AND HY	/DRAULIC	S RECORI)													
BIT		Bit Type	and						Total				Avg		Grade	
No	Size	Manufa	cturer	Serial	Number	J	ets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
2	7 7/8		7			Air H	ammer	505'	432'	6	2-4	20-25	72.0			
Bit Re	marks;					l	Cum. F	ROT. Hrs	PU	Wt	so	Wt	RO ¹	r Wt	Tor	que
Pump	<u> </u>									i				Slow	Pump Pres	sures
			A			I			- D-			^	CDAA	D #4	1 D	D

Bit Re	marks:					Cum. F	ROT. Hrs	PU	Wt		SO Wt	R	OT WI	Torque	
Pump							Į .				T		Slow	Pump Pres	
No.	Stroke X Liner	Output	SPM	GPM	Pre	ssure	J۷	Pb	Δ	V	Speed	SPM	Pump #1	Pump #2	Pump #3
		gps							DC	DP	1/4				
1	Air Compressor	2500			3	300					1/2				
2		I									3/4				
BHA						-									
Length:	Descri	ption:													

	WT.	VIS	₽V	YP	GELS	WL	HTHP	CAKE	SLDS %		OIL %	SD %	MBT	рН	Pm	Pf/Mf
PIT															and the same of th	
	T		T		Smpl	F.L.			T							
	Chic	orides	Ca	1++	Temp	Temp	Shaker	Screens	Но	urs M	lud Engine	er		M	lud Compai	
PIT	Chle	orides	Ca			Temp	Shaker #1	Screens #2	Ho Desand	urs M Cent.	ud Engine	er		M	ud Compai	
ग	Chle	orides	Ca		Temp	Temp		#2	Desand	Cent.						
PIT	Chle	orides	Ca		Temp	Temp			-	Cent.	ud Engine			Cu		

MD	TVD	ANGLE	Direction	Coord	inates	V	S	DL	CLOSURE
	· · · · · · · · · · · · · · · · · · ·								

TIONS SU	MMARY										
	ME		Time	Boats:	Supply Bo			_	Status:		
FROM	TO	HOUR	Code			oat Name:			Status:		
0600	0800	2.0	11		g casinghead. Te				Time Su		
0800	1100	3.0	11		3M double stack 8				Activity	Daily	Cum.
1100	1500	4.0	22	Test kelly, floor	rvalves, P & B Ra	ams & Choke as	sembly to 3000psi fo	r	1. Mob/DeMob		16
				5 min. Test ar	nnular to 1500 psi	for 5 min. OK.	Test casing to 1500	psi	2. Cement		4.5
				for 5 mins. Of	Κ				3. Circulate		2.5
1500	1530	0.5	11	Install wear bus	shing				4. Directional Work		
1530	1700	1.5	12	PU hammer &	GIH				5. Drilling	6	45
1700	1800	1.0	10	Air drill cement	from 463' to 505'				6. Drive Pipe		
1800	0000	6.0	5	Air drilling from	505' to 937'				7. Fishing		
0000	0600	6.0	15	Air package bo	oster pump blew	bottom head ga	sket. WO new pump).	8. OH Logging		
									9. Lost Circ.		
									10. Drill Cmt./LOT	1	1.75
									11. N.U./ N.D.	5.5	7.5
					-		,		12. P.U./L.D. BHA	1.5	5.25
									13. P.U./L.D. Pipe		
				Mr. Mark Jones	s w/ DONR, on loa	cation for testing	j. OK		14. R/U; R/D		
									15. Rig Repair	6	6
									16. Run Casing		2
				Rig went to \$0	/ day at 0200 hrs,	5/20/04			17. Service Rig		
				Booster pump	should be replace	d by noon toda	y.		18. Sidetrack Op.		
					<u> </u>				19. Stuck Pipe		
									20. Survey		1.5
									21. Trips		1
							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		22. Tst. BOPs	4	4
									23. UR/HO		
						PE	TEILIED		24. W.O.W.		
						1) ()	EIVED		25. Wash & Ream		
									26, Well Control		
						DEC	1 3 2004		27. WOC		6
		-							28. Other		
						DIV, OF OIL	GAS & MINING		Total	24	103
Total	Hours	24.0			-		· · · · · · · · · · · · · · · · · · ·				
Rig Do			Fuel U		iterial on Board			Previous		,761	
Daily	6.0 hrs			Gals	Cement:		sx	Daily Cos			
Cum.	6.0 hrs	Cum.	5	33 Gals	Barite:		SX ·	Cum. Cos	st \$215	,988	



CONFIDENTIAL

MORNING REPORT

						DATE _	21 MAY, 20	04
COMPANY &	E WELL N	ISC . STA	TE MSC 16-1	NE/NE	SEC 16 T21	S R20E GRA	ND UTAH	
06:00 AM	PRESENT A	ACTIVITY	: DRILLING	AHEAD V	WITH AIR			
DEPTH TOD	AY <u>2043</u>	YES	TERDAYS D	EPTH	937'	FT/24 Hr	1106'	
FORMATION	NOW DRILLI	NG IN	MANCOS	SHALE	<u>,</u>			
FORMATION	TOPS	· · · · · · · · ·						
PROJECTED	FORMATION 7	rops _	DAKOTA SA	ND 2854'				
BACKGROU	ND GAS 1	TF	UP GAS N	IA A	T	,	AT _	
CONNECTIO	ON GAS N	L		_ DOWN	TIME GAS	NIL		
GAS SHOWS	S AND DRILLI	NG BREA						
DEPTH	ROP	PEAK	BG GAS	<u>C₁</u>	C ₂	C ₃	C ₄	Other
NO	SHOWS	ļ	 					
		<u> </u>						
		 	 					
		 	1			<u> </u>		
 		 						
	 		 					
LITHOLOGY	100% SHAL	E: gy-m gy,	sbblky,rthy,fr	m,calc,arei	ı,tr pyr,tr FC	S Inocer		
							 	
								
Sample qualit	y fair with air d	rilling			Weath	er conditions	65 Deg	alm
BITS & TRIP	S BIT#2	7 7/8" MA	RQUIS HAM	MER in at	505'			
	RPM 35							
	JR WT		S WL	, <u> </u>	PH	_ CL	HARD	
SURVEYS	1010' 1 1/4 deg	Ţ						

Remarks WAIT ON NEW AIR BOOSTER DRILLING AHEAD @ 17:00 HRS DRILLING AHEAD WITH AIR



PPI Techi Servi	nology				ا ر Da	MSC nilv (Ex _I Orilli	olora ing F	ntior Repo	n ort		MFID	ENTI		
	k. Lease and	1 Well N	0.			Contract R		DOL	DFS	Date on	ocation	Spud C		Report	
	mpson - Stat				•	Union #7		25	4	4/27/2		May 18,	2004	May 22	, 2004
MD TVD	Footac			No.		AFE Amou	_	Auth, TD.		Compar	y Repres	<u>entative</u> Roger Knight			
3,148 3,148	1,104					\$600,000			7,700'	<u></u>	oolpushe			····	
	Present POH to	Operation	_			Rig Phone Rig Fax:) :	•	35) 220-09 460-2490			<u>n</u> Doug McLean	1		
				NPDES		People	on loc ·		l ast BOP	Test Date		I	RIG ELEV	ATIONS	
Current Weather	DONR \		1.056		Sete	Oper				5/19/2004		RKB		15	ft
Wind:	Yes	No	LC50	Sample	Date	Contr				Test Date		Water Depth		1	Pt .
Seas:	Problem?	Yes	Pass?	Yes	No	Sen						RKB-CHF			ft
ASING RECORD	<u></u>		. 4551	<u></u>											
Casing Str	ina T	ÓD	Wt.	Grade	Conn.	Jts.	Run	Setting	Depth	Liner	Тор	MW when		LOT	
Casing Su	"'B		***	0,120				MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor		16"		LP	W			100'	100'			 			
Surface		8 5/8"	24	J55	STC	1	2	505'	505'	ļ		Air			
				ļ		<u> </u>				 					
				ļ						 	 				
					 			<u> </u>		 					
				 	 	†				İ					
ED AND HYDRAULK	CS RECORD)										I Ave I		Grade	
BIT	Bit Type	and				lata.	Donth In	Total	Ние	WOR	Rom	Avg ROP	Tooth	Bearing	Gage

	UKAULIC	S RECOR						T	Total		Г		Avg		Grade	
BIT No	Size	Bit Typ Manufa		Serial I	Number	J	lets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
2	7 7/8	Marquis,			8112		pen	505'	2,643'	34	2/4	45	77.7			
2112							Cum	ROT, Hrs	PU	Wt	so	Wt	RO			que
Bit Ke	marks:						- Outro	(01.7.0								
Pump No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure	JV	Pb		٩V	Speed	SPM		Pump Pres Pump #2	
140.	Suoke	I A LINE	gps							DC	DP	1/4				
1	Air Co	npressor	2500	_		25	0-350					1/2				L
			 					T				3/4		1	l	L

	BHA	
ı	Length:	491.03 Description: hammer bit 12.25 (.44') , hammer (6.27), bell sub 92.3'), 15 -6" dc (.453.10')
J	Longen.	407.00
1		
ı		

A	1.50	50/	VD	CELE	VAA	нтир	CAKE	SLDS %	LGS %	OIL%	SD %	MBT	pН	Pm	Pf/Mf
	VIS	I PV	TP	GELS	VVL	111111	O/ u (C	0000							
							Ĺ						L		├
 			l]		i					<u></u>
		ــــــــــــــــــــــــــــــــــــــ													
				Smpl	F.L.			1					Ι.		
Chie	rides	Cs	1++	Temp	Temp	Shaker	Screens	l Ho	urs N	lud Engine	er		N	iud Compa	ny
Olik	71208					44	#2	Desand	Cent	T					
1				<u> </u>	L	#1	#4	Desailu	Cent.	4					
		1		1			1		·						
<u> </u>						#3	#4	Desilt	Mud Cl	Daily Cos	t			imulative C	ost
								+		\$2,777				\$4,807	
	WT.	WT. VIS	WT. VIS PV	WT. VIS PV YP	WT. VIS PV YP GELS	WT. VIS PV YP GELS WL	WT. VIS PV YP GELS WL HTHP Smpl F.L.	WT. VIS PV YP GELS WL HTHP CAKE Chlorides Ca++ Smpl Temp F.L. Temp Shaker Screens #1 #2	WT. VIS PV YP GELS WL HTHP CAKE SLDS % Chlorides Ca++ Smpl Temp F.L. Temp Shaker Screens Ho #1 #2 Desand	WT. VIS PV YP GELS WL HTHP CAKE SLDS % LGS % Chlorides Ca++ Smpl Temp F.L. Temp Shaker Screens Hours Notes #1 #2 Desand Cent.	WT. VIS PV YP GELS WL HTHP CAKE SLDS % LGS % OIL % Chlorides Ca++ Smpl Temp F.L. Temp Shaker Screens Hours Mud Engine #1 #2 Desand Cent. #3 #4 Desilt Mud CI Daily Cos	WT. VIS PV YP GELS WL HTHP CAKE SLDS % LGS % OIL % SD % Chlorides Ca++ Smpl Temp F.L. Temp Shaker Screens Hours Mud Engineer #1 #2 Desand Cent. #3 #4 Desit Mud Cl Daily Cost	WT. VIS PV YP GELS WL HTHP CAKE SLDS % LGS % OIL % SD % MBT Chlorides Ca++ Smpl Temp F.L. Temp Shaker Screens Hours Mud Engineer #1 #2 Desand Cent. #3 #4 Desitt Mud Ct Daily Cost	WT. VIS PV YP GELS WL HTHP CAKE SLDS % LGS % OIL % SD % MBT pH Chlorides Ca++ Smpl Temp F.L. Temp Shaker Screens Hours Mud Engineer	WT. VIS PV YP GELS WL HTHP CAKE SLDS % LGS % OIL % SD % MBT PH Pm Chlorides Ca++ Smpl Temp F.L. Temp Shaker Screens Hours Mud Engineer Mud Compa #1 #2 Desand Cent. #3 #4 Desilt Mud CI Daily Cost Cumulative C

CT	ONAL SURVEYS						51	CLOSURE
	MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLOGORE
ļ	2063 & 2522	2063 & 2522	1.75°					
1	2973	2973	1.25 °			<u> </u>		

TIONS SU	MMARY				Status:		
	ME		Time	Boats: Supply Boat Name:	Status:		
FROM	TO	HOUR	Code	Crew Boat Name:	Time Su	mmarv	
0600	0700	1.0	5	Air Drill 2044 t0 2107'	Activity	Daily	Cum.
0700	0730	0.5		Survey @ 2063' - 1.75 deg. Service rig.	1. Mob/DeMob	Daily	16
0730	1000	2.5	5	Air drilling from to 2107 to 2352'	2. Cement		4.5
1000	1100	1.0	20	Change out rotating rubber	3. Circulate	4.5	7
1100	1330	2.5	5	Air drilling from 2352' to 2565', dusting, prep mist equipment for injection.	Directional Work	7.5	
1330	1400	0.5		Survey @ 2522' - 1.75 deg.		15	72.25
1400	2000	6.0	5	Air drilling from 2566' to 3023'. Still Dusting. Last 4' pressure increased *	5. Drilling 6. Drive Pipe	13	12.23
2000	2100	1.0	15	Rig Repair. Injector pump jammed and air booster coolant hose broke.			
2100	2200	1.0	3	Circ. Air, injected foamer and cleaned hole.	7. Fishing		
2200	2230	0.5	20	Survey @ 2973' - 1.25 deg. Service rig.	8. OH Logging		
2230	2300	0.5	5	Air/mist drilling from 3023' to 3045'. Injector pump not able to add	9. Lost Circ.	}	1.75
			l	constant foam. **	10. Drill Cmt./LOT		
2300	2330	0.5	3	Circulate air and clean hole. Changed foamer line to booster for	11. N.U./ N.D.		7.5
				continous injection.	12. P.U./L.D. BHA		5.25
2330	0130	2.0	5	Air/mist 3045 to 3130. Injector pump not able to add constant foam. **	13. P.U./L.D. Pipe	<u> </u>	
0130	0200	0.5	3	Circulate air and clean hole. WO returns.	14. R/U; R/D		45.5
0200	0230	0.5	5	Air/mist 3130 to 3148'. Working tight hole. Fill on connection.	15. Rig Repair	1	17.5
0230	0500	2.5	3	Circulate air and work pipe. Prepare to POH. Circulate foamer pill.	16. Run Casing		2
0500	0600	1.0	21	POH to LD air hammer.	17. Service Rig	ļ	
					18. Sidetrack Op.	 	
				* Connection tight. LD single. Work connection. Attempt to inject	19. Stuck Pipe		
	T			foamer.	20. Survey	2.5	5.25
	1			** Injection pump connected into rig power. Could not inject into 400 psi	21. Trips	1 1	2
				line while drilling - had to slug before and after.	22. Tst. BOPs	<u> </u>	4
					23. UR/HO	ļ	ļ
	1			No shows. Air drilling to 3019'. Est. that Cedar Mountain conglomerate	24. W.O.W.	Ļ	
				where water was encountered.	25. Wash & Ream	<u> </u>	ļ
			1		26. Well Control	ļ	
	1		T	DEC 1 3 2004	27. WOC	<u> </u>	6
					28. Other		
		1		DIV. OF OIL, GAS & MINING	Total	24	151
Total	Hours	24.0			rus Cost \$24	1.366	
				Previo			

1		I . I				NG Total	24 151
Hours	24.0				-D(1, 0, 0,-)		
wntime		Fuel Usage		terial on Board		Previous Cost	\$241,366
	Daily		Gais	Cement:	\$x	Daily Cost	\$22,019
		2562	Gals	Barite:	sx	Cum. Cost	\$263,385
	wntime 1.0 hrs		wntime Fuel Usage 1.0 hrs Daily 820	wntime Fuel Usage 1.0 hrs Daily 820 Gals	writime Fuel Usage Iterial on Board 1.0 hrs Daily 820 Gals Cement:	Hours 24.0 UV. Fuel Usage terial on Board 1.0 hrs Daily 820 Gals Cement: sx	Hours 24.0 Writime Fuel Usage Iterial on Board Previous Cost 1.0 hrs Daily 820 Gals Cement: sx Daily Cost



	PPI Technology Services Block, Lease and Well No. N. Thompson - State MSC #16-1						MSC Exploration Daily Drilling Repo									
	Blo	ck. Lease a					Contract I	Ria	DOL	DFS 8	Date on	Location 2004	Spud May 13			rt Date 1, 2004
MD	TVD	Foot	age		E No.	 	Union # AFE Amo \$600,000	unt	Auth, TD.			ny Repres		·	I May 2	1, 2004
2,044	2,044		nt Operati	<u>on</u>		i	Rig Phon		•	35) 220-09) 460-2490		Toolpushe				
<u> </u>			Orilling										Joined Mille			
Current Wind:	Weather	DONR	Visit No	LC50	NPDES Sample	Date		on Loc.: erator	1	Last BOP	Test Date 5/19/2004		RKB	RIG ELE	VATIONS 15	ft
Seas:		Problem?	Yes				Conf	tractor		Next BOP	Test Date		Water Depti	1		ft
Sky: SING REC	ORD	1	∐ No	Pass?	Yes	∐ No	Se	rvice	<u> </u>	<u></u>			RKB-CHF	 		ft
	Casing Str	ing	OD	Wt.	Grade	Conn.	Jts.	. Run	MD	Depth TVD	Line MD	r Top TVD	MW when Run	Pres	LOT EMW	Leakoff?
Conducte Surface	or		16" 8 5/8"	24	LP J55	STC		12	100' 505'	100' 505'			Air			
					<u> </u>											
D AND H	YDRAULI	S RECOR	D	<u></u>	<u> </u>	L			<u> </u>	<u> </u>	<u> </u>		<u> </u>		<u> </u>	
BIT	I	Bit Typ Manufa	e and	Carial	Museels as		lata	Dooth In	Total		MOB	B	Avg ROP	Tooth	Grade	Coce
No 2	Size 7 7/8	Marquis,			Number 78112		Jets)pen	Depth In 505'	Footage 1,539'	Hrs 18.25	2/4	Rpm 40	84.3	Tooth	Bearing	Gage
Bit Re	emarks:						Cum. F	ROT. Hrs	PU	Wt	SC	Wt	ROT	Wt	То	rque
Pump			1	r	<u> </u>	,				T		·····	İ .		Pump Pres	
No.	Stroke	X Liner	Output	SPM	GPM	Pre	essure	٦٧	Pb		V DD	Speed	SPM			Pump #3
1	Air Co	mpressor	gps 2500		<u> </u>		270			DC	DP	1/4				
BHA	<u> </u>		<u> </u>		<u> </u>	3/4						3/4			l	
Length:	491.03	Descri	ption:	hamme	r bit 12.25	5 (.44')	hammer (6.27), bell	sub 92.3'),	15 -6" dc	(.453.10')					
MUD DAT	A Wr.	VIS	PV	YP	GELS	WL	нтнр	CAKE	SLDS %	LGS %	OIL %	SD %	мвт	-N	Pm	Pf/Mf
PIT	771.	V13	FV	1.5	GELS	VVL	FITTE	OARE	3CD3 76	LGG 76	OIL 76	30 %	MBI	pН	FIII	FIXIN
	<u> </u>	<u> </u>	\	L			<u> </u>	<u>. </u>	L	<u> </u>	<u> </u>	<u> </u>	<u> </u>		L	
PIT	Chi	orides	Ca	3++	Smpl Temp	F.L. Temp Shaker Screens Hours Mud Engineer					er		N	lud Compa	ny	
	<u> </u>		<u> </u>		<u> </u>		#1	#2	Desand							
							#3	#4	Desilt	Mud CI	Daily Cos	[Ci	umulative C \$2,030	ost
TIONAL S	URVEYS	<u> </u>	'D	AN	GLE	Din	ection	Coon	dinates	· · ·	/S	DL	ſ	CLOS	SURE	
	010 505	101 150			25 ° 75 °											
TIONS SU		150	<i>J</i> 5	1.	/3	ļ		<u> </u>		<u> </u>	<u>. </u>	L	L			
FROM	ME TO	HOUR	Time Code	Boats:				oat Name: oat Name:				-	Status: Status:			
0600	1500	9.0	15				er pump.	Replace	pump.					Time Su		
1500 1530	1530 1700	0.5 1.5						low air pre		months D	anair baa	otor num	Active 1. Mob/Del		Daily	Cum. 16
1700	1815	1.3	5		from 96			punip inst	aneu inco	ilecuy. IX	оран ооо	ster puri	2. Cement	VIOD		4.5
1815 1900	1900 0015	0.8						ervice Rig	•			-	3. Circulate			2.5
0015	0015	5.3 0.5	5 20		from 1,0 @ 1,505								4. Direction 5. Drilling	al Work	12.25	57.25
0045	0600	5.3	5		from 1,5								6. Drive Pi	oe		
	 								•				7. Fishing 8. OH Logg	-ina		
													9. Lost Circ			
	ļ												10. Drill Cn	nt./LOT		1.75
	l							-					11. N.U./ N 12. P.U./L.I		L	7.5 5.25
											-		13. P.U./L.i	D. Pipe		
_		· ·	<u> </u>							- n			14. R/U; R/ 15. Rig Re _l		10.5	16.5
													16. Run Ca		10.5	2
													17. Service	Rig		
										····			18. Sidetra 19. Stuck P		L	
					_								20. Survey		1.25	2.75
													21. Trips 22. Tst. BO	Ps		1 4
													23. UR/HO			
													24. W.O.W			

							Total	24	127
Tota	Hours	24.0							
Rig D	owntime		Fuel Usage		terial on Board		Previous Cost	\$215,988	
Daily	10.5 hrs		738	Gals	Cement:	SX	Daily Cost	\$25,378	
Cum.	16.5 hrs (Cum.	1742	Gals	Barite:	SX	Cum. Cost	\$241,366	

25. Wash & Ream 26. Well Control 27. WOC

28. Other

6

<u> </u>	PPI					, N	MSC	Ext	olora	ition			ONF	IOEN	Annual Control	
	<u>Servi</u>					Da	ily [Orilli	ng F	Repo	ort		Spud (Report	Date
		k, Lease and				2	Contract Ri Union #7		DOL 26	DFS 5	Date on L 4/27/2		May 18,		May 23,	
MD	TVD	Foota			No.		FE Amou	nt	Auth, TD.		Compan	y Repres				
3,404	3,404	256					\$600,000 Rig Phone		(A ³	7,700' 35) 220-09	1	oolpushe	Roger Knight			
			Operation illing	<u>n</u>			Rig Phone Rig Fax:	E		460-2490	-		Doug McLear	1		
			mu iy											RIG ELEV	ATIONS	
Current V	Veather	DONR '			NPDES		People o		15 1	Last BOP	Test Date 5/19/2004		RKB	RIG ELEV		it
Wind:		Yes Problem?	No Yes	LC50	Sample	Date	Oper		11	Next BOP			Water Depth	· · · · · ·		ft
Seas: Sky:		Pioblemi		Pass?	Yes	□No	Sen		3			RKB-CHF		1	ît .	
ING RECO	ORD								2.49	Donath	Lines	Ton	MW when		LOT	
C.	asing Stri	ng	OD	Wt.	Grade	Conn.	Jts.	Run	Setting MD	Depth TVD	Liner MD	TVD	Run	Pres		Leakoff?
Conductor			16"		LP	w			100'	100'						
Surface			8 5/8"	24	J55	STC	1	2	505'	505'			Air			
							l				L		<u></u>	t		
	DRAULIC	S RECOR							Total	1			Avg		Grade	
BIT No	Size	Bit Type Manufa		Serial	Number	١,	lets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
2	7 7/8	Marquis,	C673G		78112		pen	505'	2,643'	34	2/4	45	77.7	1	NA	1
3	7 7/8	Hughes (ST 518	5030	150	12,	12,12	3,148'	256'	11 1/2 Wt		Wt	22.3 ROT	Wt	Tor	que
Bit Rer	marks:						Cum. K	OT. Hrs		· vvi		***				
Pump No.	Stroke	X Liner	Output	SPM	GPM	Pre	essure	٦V	Pb		V	Speed	SPM	Slow Pump #1	Pump Pres Pump #2	sures Pump #3
			gps							DC 356	DP 222	1/4	60	350		
1		x 6 x 5.5	3.15 4.37	120 60	378		410 900			330_		3/4	60		700	
BHA	17	X 3.3	4.37	00		با										
Length:	487.33 A	Descri	ption:	7 7/8" t	oit (1'), bit	sub (3.4	0'), 16 - 6.	25" DC (4	82.93')							
	WT.	VIS	PV	ΥP	GELS	W.	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pH	Pm	Pf/Mf
PIT	8.5	34	5	5	2/4	13.6		2	11	99		0.25		10.8		.2/.3
				<u> </u>		<u>.l</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>		<u> </u>		
		lorides		a++	Smpl Temp	F.L. Temp	Shaker #1	Screens		ours !	Mud Engine	er			lud Compa	ny
PIT	<u> </u>	2400	<u> </u>		-	+	110	72	Dodana		1					
	<u> </u>		<u> </u>				#3	#4	Desilt	Mud Cl	Daily Cos			Cı	mulative C \$6,112	ost
L									l	<u> </u>	\$1,305	<u> </u>		<u> </u>	\$0,112	
TIONAL S	URVEYS	1 1	/D	I A	NGLE	T Di	rection	Coo	dinates	1	vs	DL		CLOS	URE	
<u> </u>	no .	· · · · · · · · · · · · · · · · · · ·														
								<u> </u>		1		1				
TIONS SU			I Time	Boats:			Supply B	oat Name					Status:			
FROM	ME TO	HOUR	Time Code	BOSTS:				Boat Name				_	Status:			
0600	0730	1.5	21	POH 1	o LD ha	mmer.	Bit looked	like new	<i>1</i> .						ummary	_
0730	1100	3.5	28		mud w									tivity	Daily	Cum.
1100	1230	1.5	21	GIH w	/ 7 7/8"	Hughes	bit, 16 D						1. Mob/Do			16_
1230	1500	2.5	3	Filled	hole w/	mud. C	irculate &	build mu	id volume				2. Cemen			4.5
1500	1530	0.5	21		3118'.								3. Circula		2.5	9.5_
1530	1630	1.0	25				3148'. *						5. Drilling	onal Work	11.5	83.75
1630	2000	3.5	5			s' to 320	7. Mud	s areated	and foar	ny w/ 34 \	ASC.		6. Drive F		1	1 33.73
2000	2030	0.5	17		e Rig.								7. Fishing		 	

TII	ME		Time	Boats:	Supply Boat Name		_	Status:		
FROM	TO	HOUR	Code		Crew Boat Name			Status:		
0600	0730	1.5	21	POH to LD ha	mmer. Bit looked like new	•		Time Su		0
0730	1100	3.5	28	Mixing mud w	36 - 38 visc.			Activity	Daily	Cum.
1100	1230	1.5	21	GIH w/ 7 7/8"	Hughes bit, 16 DC to 1691	•		1. Mob/DeMob		16_
1230	1500	2.5	3		mud. Circulate & build mu			2. Cement		4.5
1500	1530	0.5	21	GIH to 3118'.				3. Circulate	2.5	9.5
1530	1630	1.0	25	Wash & ream	3118' to 3148'. *			4. Directional Work		
1630	2000	3.5	5	Drill from 3148	3' to 3207'. Mud is areated	and foamy w/ 34 visc. **	·	5. Drilling	11.5	83.75
2000	2030	0.5	17	Service Rig.				6. Drive Pipe		
2030	0230	6.0	5	Drill from 3207	7' to 3362'.			7. Fishing		
0230	0400	1.5	15	Rig Repair on	hydraulics.			8. OH Logging		
0400	0600	2.0	5	Drill from 336	T			9. Lost Circ.	<u> </u>	
								10. Drill Cmt./LOT		1.75
	 							11. N.U./ N.D.		7.5
				Drilling in Mor	rison formtion			12. P.U./L.D. BHA		5.25
				BG gas = 5 u				13. P.U./L.D. Pipe		
			 	TG = 1291 un				14. R/U; R/D		
			 	CG = 10 units				15. Rig Repair	1.5	19
			 	DG = 10 units				16. Run Casing		2
	 		 	DG - 10 dilka		A-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		17. Service Rig	0.5	0.5
	-		 					18. Sidetrack Op.		
	 		 	* Shaker 1' th	nick w/ Cedar Maountain C	ong. Some pieces greater	than	19. Stuck Pipe		
					wide from mud conversion			20. Survey		5.25
				1 10119 × 1/4	WIGO HOM MICE CONTOURS			21. Trips	3.5	5.5
				** Circulate 5	mins. before connection t	o clean hole. Problems		22. Tst. BOPs		4
	 		-		ushing down.			23. UR/HO		
	_			Serring year r	usining down.			24. W.O.W.		
	-					RECEIVED		25. Wash & Ream	1	1
	ļ			<u> </u>		HEUCIVED		26. Well Control	 	
	ļ					1 0 000L		27. WOC		6
	1					DEC 1 3 2004		28. Other	3.5	3.5
L			1	ļ				Total	24	175
	<u></u>	A16	 	<u> </u>	NIV	OF OIL, GAS & MININ	G	, Olai		
	Hours	24.0	Fuel l	leane	terial on Board	O) OIL, CITE ST.	Previous	Cost \$26	3,385	
Rig Di Daily	owntime 1.5 hrs	Daily		S15 Gals	Cement:	SX	Daily Cos		7,001	
Cum.	19.0 hrs	Cum		177 Gals	Barite:	SX	Cum. Co	st \$29	0,386	

MORNING REPORT

						DATE	23 MAY, 2	004					
COMPANY &	COMPANY & WELL MSC . STATE MSC 16-1 NE/NE SEC 16 T21S R20E GRAND UTAH												
06:00 AM	PRESENT A	ACTIVITY	: DRILLIN	G AHEAD	W/ MUD A1	ND TRICON	NE BIT						
DEPTH TOD	AY 3402'	YES	TERDAYS	DEPTH	3148'	FT/24 H	r <u>254</u> '	·					
FORMATION	NOW DRILLI	NG IN	MORRISO	ON									
FORMATION	TOPS		*****										
PROJECTED	FORMATION 7	TOPS _	MOAB TON	IGUE 3694'	+/-								
BACKGROU	ND GAS 5 I	J TR	LIP GAS _	1291 U A	T 3148'	,	AT _						
CONNECTIO	N GAS O	CC 10 U	······································	DOWN	TIME GAS	10 U							
GAS SHOWS	S AND DRILLI	NG BREA	KS										
DEPTH	ROP	PEAK	BG GAS	Cı	C ₂	C ₃	C ₄	CO2r					
3294-3313	0.4-0.5-1	20	4	866	125	729	248	255					
3318-3338	2-1.5-2	21	6	807	137	755	305	203					

I ITTIOI OOM	6004 GTT 4 T T												
LITHOLOGY	60% SHALE	red brn,pi	urp,maroon,	gn,var col,st	olty-sbblky,r	thy,calc							
13% SS: WII-TO	ed,qtz,fgr,sbrd,w	srt,iri-m cn	nt, calc cmt 1	5% SLTST	red brn,sbt	olky,rthy,frn),						
376 CHI CON	GL: yel cht,ang	ers gr conc	n rrac 5% L	s: crm,cryp	o,hd,dns,tt								
Sample quality	: FAIR ABNT	CVGS			Wooth								
- State Pro Guaraty	· IIIIXIIDIVI	C 1 OB			weame	er conditions	55 Deg c	aim					
BITS & TRIPS	NB#3HTC	GT S18 7 7	7/8" TRICO	NE IN AT 3	148'			***************************************					
WOB 30	RPM65		400 SPM		AG 20	MIN@	3390'	FEET					
MUD AT 31	48' WT 8.:	5 VIS			PH 10.8	_	00 HARD						
SURVEYS													
Remarks	TOOUTANDO	NIAT ATD T		NIII B ***	In								
Remarks	TOOH, LAY DO	CID VDE	IAMMER, E	CACE DBA	UME TIH -	1900' CIRC	, TIH TO 314	18'					
1	CIRC BOTTOM BIT	o or, Adi	ii iinch	C V US,DKIL	LING AHE	AD W/ MU	U AND TRI	LUNE					

0500	ו טססט	1.0	21	POH to LD air	nammer.			II. ODITIOS INS	1	
								18. Sidetrack Op.		
				* Connection	tight. LD single. Work co	onnection. Attempt to inject		19. Stuck Pipe		
				foamer.				20. Survey	2.5	5.25
				** Injection pu	imp connected into rig po	wer. Could not inject into 400	psi	21. Trips	1	2
				line while drilli	ng - had to slug before an	d after.		22. Tst. BOPs		4
								23. UR/HO		
				No shows. Ai	drilling to 3019'. Est. the	t Cedar Mountain conglomera	ite	24. W.O.W.		
				where water v	as encountered.			25. Wash & Ream		
								26. Well Control		
			<u> </u>					27. WOC		6
				J				28. Other		
								Total	24	151
	Hours	24.0								
Rig Do			Fuel	Jsage	iterial on Board		Previous	Cost \$24	1,366	
aity	1.0 hrs			320 Gals	Cement:	sx	Daily Cos	st \$2:	2,019	
um.	17.5 hrs	Cum.	2	562 Gals	Barite:	\$X	Cum. Cos	st \$26	3.385	

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	IOCI VI	CCS							
	Bloc	k. Lease and Well I	No.	Contract Rig	DOL	DFS	Date on Location	Spud Date	Report Date
	N. Thor	npson - State MSC	#16-1	Union #7	28	7	4/27/2004	May 18, 2004	May 25, 2004
MD	TVD	Footage	AFE No.	AFE Amount	Auth, TD.		Company Repres	entative	
4,448	4,448	514	1	\$600,000		7,700	Roge	r Knight	
		Present Operat	tion	Rig Phone:	(4	35) 220-09	99 <u>Toolpushe</u>	<u>r</u>	
1		Drilling		Rig Fax:	(254) 460-2490) (alt) [Doug McLean	

Current Weather	DONR Visit	NPDES	People on Loc.:	14	Last BOP Test Date	RIG E	LEVATIONS
Wind:	Yes No	LC50 Sample Date	Operator	1	5/19/2004	RKB	15 ft
Seas:	Problem? Yes		Contractor	10	Next BOP Test Date	Water Depth	ft
Sky:	No	Pass? Yes No	Service	3		RKB-CHF	ft

													SING RECORD
	LOT		MW when	Тор	Liner	Depth	Setting	Jts. Run	Conn.	Grade	Wt.	OD	Casing String
	EMW	Pres	Run	TVD	MD	TVD	MD						Submig Coming
						100'	100'		W	LP		16"	Conductor
			Air		<u>-</u>	505'	505'	12	STC	K55	24	8 5/8"	Surface
				<u> </u>									
			 							ļ			
									 	ļ			
-	 		 				 			L			
_													

BIT		Bit Typ							Total		WOB	Rpm	Avg ROP	Tooth	Grade Bearing	Gage
No	Size	Manufa	cturer	Serial N	lumber	Jet			Footage	Hrs	المراجع المراجع	THE RESERVE OF THE PERSON NAMED IN		10001	Couring	
3	7 7/8	Hughes	GT 518	50301	50	12,12	2,12 3	3,148'	1,300'	55	35	80	23.6			
0::0										188	so	18/8	RO1	\//t	Tor	JUE .
								ı Hre I	PU			VVL 1	1,01	***		400
BIT IKE	marks:					-	Cum. ROT 89	I. Hrs	PU 10		10		10)2)
Pump	T	Y Liner	Output	SPM	GPM	Press	89	JV			1(2 Slow	Pump Pres Pump #2	sures
	T	X Liner	Output	SPM	GPM		sure 89	JV	10 Pb	A DC	1(00	10	2 Slow	Pump Pres	sures
Pump No.	Stroke		Output gps	SPM 117			sure 89		10)4 A	1(V	00 Speed	10 SPM	Slow Pump #1	Pump Pres	sures

BHA							 				
Length: 487.33	Description:	7 7/8" bit (1'), bit s	ub (3.40'), 16 - 6.	.25" DC (482	2.93')		 				
MUD DATA					· · · · · · · · · · · · · · · · · · ·						
MUUDAIA				T - T		1.00.01	 00.00	MDT	al-l	O.m.	Df/Mf

	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %		OIL %	SD %	мвт	рн	PM_	PT/MT
PIT	9.2	36	8	8	2/8	11.6		2	6.5	93.5		2.50		8.8	<u> </u>	.05/.1
	<u> </u>		l	l				l	<u></u>					L	<u> </u>	
	Chi	orides	Ca	1++	Smpl Temp	F.L. Temp	Shaker	Screens	Но	urs M	lud Engine	er		N	Aud Compa	ny
PIT		800	- 4	0	96	96	#1	#2	Desand	Cent.	, A	like Welke)r			
	1						180								Anchor	
			<u></u>				#3	#4	Desilt	Mud CI		Cost		C	umulative C	ost
1										1	6003			ı	\$8.312	

CTIONAL SURVEYS							CLOSURE
MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLUSURE
4022	4022	1.00°				ļ	
						<u> </u>	

TIONS SU							Status:		
	ME		Time	Boats:	Supply Boat Name: Crew Boat Name:		Status:		
FROM	ТО	HOUR	Code					Summary	
0600	0730	1.5	5		to 4066' with LSND mud		Activity	Daily	Cum.
0730	0830	1.0	20		, 1 deg, Service Rig		1. Mob/DeMob		16
0830	1000	1.5	19		Rig up compressor, Circ a	ir with mud, pipe free			4.5
1000	1100	1.0	3	Circulate hole cl			2. Cement	1	11
1100	0600	19.0	5	Drill from 4066' t	to 4448' with LSND mud		3. Circulate		 ''
		:					4. Directional Wor		127.25
W-2012							5. Drilling	20.5	127.25
							6. Drive Pipe		
							7. Fishing		
							8. OH Logging		
							9. Lost Circ.		
							10. Drill Cmt./LOT		1.75
	1			No Shows:			11. N.U./ N.D.		7.5
							12. P.U./L.D. BHA		5.25
	 			Carmel 4200'			13. P.U./L.D. Pip€		
	—		·	Navajo 4320'			14. R/U; R/D		<u> </u>
ļ							15. Rig Repair		19
	†		1	BGG = 49 units			16. Run Casing		2
l	 	<u> </u>		TG = NA			17. Service Rig		0.5
	 	 	1	CG = 10 units			18. Sidetrack Op.		
	 	 	†	DG = 10 units			19. Stuck Pipe	1.5	1.5
·	 	 		7,0 1,1,1,1,1			20. Survey	11	6.75
	 	 	 				21. Trips		5.5
	†	ļ ———		1600 brs - 180 r	mesh screens installed on	shaker	22. Tst. BOPs		4
 	 	 	 	10001110 1001			23. UR/HO		
ļ	ļ 	 	╂	1730 brs- Carbi	ide lag - hottoms up 29 mi	3400 Blkt \oldfin#	24. W.O.W.		
	-		.	1730 IIIs- Carbi	ide lag - bottoms up 29 mi	PUEIVED	25. Wash & Rean	1	1
<u> </u>		 	1				26. Well Control		
		 	 	 		DEC 1 3 2004	27. WOC		6
	 	ļ	 	+			28. Other	-	3.5
ļ	 	 	+			DIAMANA O ACO MAINING		24	223
Tota	Hours	24.0	+		DIV.	OF OIL, GAS & MINING			
	owntime	27.0	Fuel	Usage	eterial on Board		Previous Cost	306,922	
1190	Q-1/11/11/10						Daily Cost	\$15.583	



	Serv	ices	/			Di	ally	Drill	ling l		ort					
	Bloc	ock, Lease a	and Well N				Contract f		<u>DOL</u> 27	DFS 6		n Location 7/2004	1	d Date 18, 2004		ort <u>Date</u> 24, 2004
MD 3 934	IVD	Foot	tage		E No.	-	AFE Amo	ount	Auth. TD.),		any Repres	sentativo		<u> </u>	<u> </u>
3,934	3,934	530 Presen	30 ent Operati	tion		<u> </u>	\$600,000 Rig Phon	ne:	•	7,700' 435) 220-09		Toolpushe				
			Drilling				Rig Fax:		•	4) 460-2490			Doug McLea	An		
	t Weather				NPDES			e on Loc.:	15		P Test Date			RIG ELE	VATIONS	-
Wind: Seas:		☐ Yes Problem?	No? Yes		0 Sample	Date	Оре	perator ntractor	1 11		5/19/2004 P Test Date		RKB Water Dept		15	ft ft
Sky:		Problem		s o Pass?	Yes	☐ No		ntractor ervice	3	Next L.	/ 185t p	-	Water Dept RKB-CHF	<u>, </u>		ft ft
ING REC	CORD Casing Str		OD	Wt.	Grade			s. Run	Settir	ng Depth	Lin	er Top	MW when		LOT	
		ing		¥ v.a.				, Kuir	MD	TVD	MD Line	eriop TVD	Run	Pres	EMW	Leakoff?
Conducto Surface)r		16" 8 5/8"	24	LP J55	W STC		12	100' 505'	100' 505'	1	<u> </u>	Air		-	-
						<u> </u>					1					
l			 		<u> </u>	1	 			 			+	+	+	+
			<u> </u>	<u> </u>	—	<u> </u>	<u> </u>				<u> </u>	_		<u> </u>	_	_
BIT	/DRAULIC	CS RECOR							T-+-al	<u>—</u>			Aug		Grade	
No	Size	Manufa	acturer		Number		Jets	Depth In			WOB	Rpm	Avg ROP	Tooth	Grade Bearing	Gage
3	7 7/8	Hughes (GT 518	50301			2,12,12	3,148'	786'	34 1/2	2 30	95/125	22.8			—
Bit Re	emarks:					Ь,	Cum. F	ROT. Hrs	Pυ	u Wı	SC	O Wt	RO	T Wt	То	orque
Pump			Τ	724	724		<u> </u>	T .,	+	T	1				w Pump Pres	
No.	Stroke	e X Liner	Output gps	SPM	GPM	Pre	essure	٦٧	Pb	DC	AV DP	Speed 1/4	SPM 32		Pump #2	
1 2		9x6	3.15	117	378		1250			166	267	1/2	60	350	<u></u>	<u> </u>
2 BHA		x 5.5	4.37	66	288		950	<u> </u>		<u> </u>	<u> </u>	3/4	60		700	<u> </u>
Length:	487.33	Descrip	ption:	7 7/8" bi	it (1'), bit	sub (3.40	0'), 16 - 6.	3.25" DC (48	·82.93')							
									<u>-</u>							
AUD DATA	WT.	VIS	PV	YP	GELS	WL	НТНР	CAKE	SLDS %	T : 00 %	T 74 %	20.94	-407	T		~=/A4f
PIT	9.0	VIS 36	PV 8	7 YP	2/6	11.8	Him	CAKE 2	SLDS %	95	OIL %	SD % 0.25	MBT	рН 9	Pm	.1/.2
				<u></u>							<u> </u>	<u> </u>			<u> </u>	<u> </u>
	CP.	2.454			Smpl	F.L.	Chaker	r Screens	T		in		Γ	Τ,		
PIT		lorides 1800		a++ 40	Temp	Temp	#1	Screens #2	Ho Desand		Mud Engine	∍er		lv	Mud Compa	ıny
			<u></u>			بط	110 #3	#4	Desilt		Daily Cos	•			cumulative C	4
**AI Q								B-1	Dean.	Muu J.	S1,317				umulative C \$7,429	
	/ID	TVI			IGLE	I Dir	rection	I Coor	rdinates		vs	DL		CLO:	SURE	
	530	353			25 °											
TIONS SU				<u> </u>		<u></u>			<u>—</u>		<u> — </u>	<u> </u>				
FROM	ME TO	HOUR	Time Code	Boats:	_		Crew Bo	Boat Name: Boat Name:):			_	Status: Status:			
0600 1500	1500 1530	9.0	5				4' with LSI	SND mud						Time Su		
1530	2230	0.5 7.0	20 5				deg. Ser 6'. * Using		#2. Repairi	-ing nump	41		Acti		Daily	Cum.
2230	2300	0.5	3	Circulat	ted botto	oms up (@ 3696'.	. Service I	Rig.	ny pe	771		2. Cement	t	 	4.5
2300	0600	7.0						#1 repair					3. Circulate	te	0.5	10
	<u> </u>		<u> </u>	<u> </u>									4. Direction 5. Drilling		23	106.75
													6. Drive Pi	ipe		
			1-1	-									7. Fishing 8. OH Logo		[ļ
													9. Lost Circ	rc.		<u> </u>
 	i		[Shows:	3415 to	3435'.	Peak ga	as - 22 uni	iits				10. Drill Cn	mt./LOT		1.75
				Moab T	Fongue E	-ntrada	@ 3676'						11. N.U./ N 12. P.U./L			7.5 5.25
							<u> </u>	-					13. P.U./L.I	.D. Pipe		J
				BGG = 4	40 units IA								14. R/U; R/ 15. Rig Re	VD .		19
				CG = 10	0 units								15. Rig Rej 16. Run Ca		—	19 2
				DG = 10									17. Service	e Rig		0.5
			\vdash	 									18. Sidetra 19. Stuck P			<u> </u>
				* Drillin	ıg breaks	s @ 367	79' to 368	36' <u>& 369</u> 0	0' to 3736'.				20. Survey		0.5	5.75
		-	$\widetilde{\longmapsto}$	L							- no hre		21. Trips			5.5
\Box				** VVO	ng on	l punip	for 13 inc	JUIS. New	turned to se	ervice 🖳 .	2300 Fire.		22. Tst. BO 23. UR/HO			4
													24. W.O.W.	v.		—
		, 	 	<u> </u>									25. Wash &	& Ream		1
				<u> </u>									26. Well Co 27. WOC	ontrol		6
													28. Other			3.5
Total H		24.0											Total		24	199
Rig Dow	wntime	Daily	Fuel Us			iterial on						Previous C		\$290,		
Cum.					Gals (Cement:	<u>.</u>			\$X		Daily Cost	.t	\$16,5		



Technology Services

	100							
	ck, Lease and Well		Contract Rig	<u>DOL</u> 30	DFS	Date on Location 4/27/2004	<u>Spud Date</u> May 18, 2004	Report Date May 27, 2004
N. Tho	mpson - State MSC	#16-1	Union #7	30	9	4/2/12004	May 10, 2004	Way 27, 2004
MD TVD	Footage	AFE No.	AFE Amount	Auth, TD.		Company Represe	entative entative	
4,900 4,900	360		\$600,000		7,700'		Roger Knight	
	Present Opera	tion_	Rig Phone:	(4	35) 220-09	199 <u>Toolpushe</u>		
	Drilling		Rig Fax:	(254) 460-2490) (alt) C	onrad Tonney	

	N. Thor	npson - Sta	te MSC #	16-1			Union #7	,	30	9	4/27/2		May 18,	, 2004	May 27	, 2004
<u>MD</u> 4,900	<u>TVD</u> 4,900	Foota 360	<u>ge</u>	AFE	No.		\$600,000	_	Auth. TD.	7,700°			Roger Knight	l		
			Operation	<u>on</u>			Rig Phono Rig Fax:	9:	•	35) 220-099 460-2490	-	oolpushe C	L onrad Tonne	у		
														RIG ELEV	ATIONS	
Current \	Veather	DONR			NPDES	D-45		on Loc.:	16 2	Last BOP	7est Date 5/19/2004	···	RKB	RIG ELEV		ft
Wind: Seas:		Yes Problem?	No Yes	LUSU	Sample	Date		ractor	11	Next BOP			Water Depth	<u> </u>		ft
Sky:		FIODIGIT:		Pass?	Yes	No		vice	3				RKB-CHF			ft
	RECORD															
C	asing Stri	ng	OD	Wt.	Grade	Conn.	Jts.	Run	Setting MD	TVD	Liner MD	Top TVD	MW when Run	Pres	LOT EMW	Leakoff?
onducto	Γ		16"		LP	W			100'	100'			Air			
urface			8 5/8"	24	J55	STC		12	505	505'			All	 		
					 											
					l											
							L		<u> </u>	L			L	L		
	GHT, SPE	ED AND H		ICS RE	CORD	1			Total				Avg	T	Grade	
BIT No	Size	Bit Typ Manufa		Serial	Number	l .	lets	Depth In		Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
3	7 7/8	Hughes		5030		THE RESERVE OF THE PERSON NAMED IN COLUMN 1	,12,12	3,148'	1,752	83	35	80	21.1			
	, 170	11291108														<u></u>
Bit Re	marks:							ROT. Hrs		Wt		Wt 08	RÓT		Tor	que
				r	1		1	14	 	12	<u> </u>	70	<u> </u>	Slow	Pump Pres	sures
ump No.	Stroke	X Liner	Output	SPM	GPM	Pre	essure	JV	Pb	_ A	٧	Speed	SPM	Pump #1	Pump #2	Pump #
INU.	Stroke	3 V FILIE!	gps	0						DC	DP	1/4	46	260		
1	g	× 6	3.15	117	378	1	250			347	216	1/2	50	350		
		x 5.5	4.37	66	288		950					3/4	77	680		<u> </u>
NUD DA		1 140	I my	YP	GELS	WL	нтнр	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	рН	Pm	Pf/Mf
PIT	WT. 9.0	VIS 37	PV 8	9	2/6	6.8	1111111	2	5	200 //	6	1.00		9.4		.1/.4
-11	3.0	- 37	- -	<u> </u>	1	1								I	L	
					1 8	T-F-1								T		
	Ch	lorides	ے ا	a++	Smpl Temp	F.L. Temp	Shake	r Screens	Н	ours M	/lud Engine	er		N.	lud Compa	ny
ग		200		40	9,			#2		Cent.						
							180			12		Bill Mille	r	 	Anchor umulative C	`net
							#3	#4	Desilt 15	Mud Cl	\$1,056	/ Cost	+		\$18,485	,031
	ONAL CI	IBVEV6	·				<u> </u>	<u> </u>	15	<u> </u>	1 \$1,000	<u> </u>				
	IONAL SI		/D	A	VGLE	Di	rection	Coo	rdinates	T	VS.	DL		CLOS	SURE	
																
						J			<u></u>	<u> </u>			1			
	TIONS SL	JMMARY	T = .	10			Cupply	Boat Name					Status:			
FROM	ME TO	HOUR	Time Code	Boats:				Boat Name					Status:			
0600	0600	24.0	5		om 4540	to 490	0' with L	SND mud	I.					Time S	ummary	
	+	1	1										Ac	tivity	Daily	Cum.
	 		1	1									1. Mob/De	eMob		16
	 			MW =	8.7 ppg	@ 490	0,						2. Cemen	nt		4.5
	 	1	1	1									3. Circula	ite	ļ	14.5
	 	 	1	1500	hrs - des	ilter on	mud sys	tem	,, " - " - " - " - " - " - " - " - " - "				4. Direction	onal Work		<u> </u>
	1	1	†				on mud s						5. Drilling		24	155.2
	1	1	1	1				ystem					6. Drive F	Pipe	 	 _ _
	1	+	1	1				ystem					Trables		1	1
								ystem					7. Fishing			+
	-	†	 	No sh	ows:			ystem					8. OH Lo			
				No sh	ows:			ystem					8. OH Los 9. Lost Ci	gging irc.		
<u>-</u>					ows: nta - 454	5'		ystem					8. OH Log 9. Lost Ci 10. Drill C	gging irc. Cmt./LOT		
				Kayer				ystem					8. OH Log 9. Lost Ci 10. Drill C 11. N.U./	gging irc. Cmt./LOT N.D.		7.5
				Kayer Winga	nta - 454	0'	34'	ystem					8. OH Log 9. Lost Ci 10. Drill C 11. N.U./ 12. P.U./I	gging irc. Cmt./LOT N.D. L.D. BHA		7.5
				Kayer Winga	nta - 454 ate - 475	0'	34'	ystem					8. OH Log 9. Lost Ci 10. Drill C 11. N.U./	gging irc. Cmt./LOT N.D. L.D. BHA L.D. Pipe		1.75 7.5 5.25

FROM	10	HOUR	Çoqe		CIEW DO	***					
0600	0600	24.0	5	Drill from 4540' to	4900' with LSN	ID mud.			Time Sun		•
								Activ	<i>r</i> ity	Daily	Cum.
								1. Mob/Del	Иob		16
				MW = 8.7 ppg @	4900'			2. Cement			4.5
								Circulate	·		14.5
			l	1500 hrs - desilte	er on mud syster	n		4. Direction	al Work		
				1800 hrs - centri				Drilling		24	155.25
				1000 110				6. Drive Pip	ре		
								7. Fishing			
			· · · · · ·	No shows:				8. OH Logo	jing		
								9. Lost Circ	s		
			1	Kayenta - 4545'				10. Drill Cn	nt./LOT		1.75
				Wingate - 4750'				11. N.U./ N	l.D.		7.5
			Projected Chinle	- 5234'			12. P.U./L.	D. BHA		5.25	
				70,00.00				13. P.U./L.	D. Pipe		
				BGG = 11 units				14. R/U; R/	/D		
			 	TG = NA				15. Rig Re	pair		19
	 			CG = nil units				16. Run Ca	sing		2
	 		1	DG = nil units				17. Service	Rig		0.5
	 			DO - 1111 G11112				18. Sidetra	ck Op.		
	ļ	 	 			******		19. Stuck F	Pipe		18
	 	·	 					20. Survey			6.75
	<u> </u>	 	1					21. Trips			5.5
	ł	 	!	 				22. Tst. BC)Ps		4
	 	 	 			DEC	CIVED	23. UR/HC			
	 	ļ	 			HEU	EIVED	24. W.O.W	<i>I</i>		
		<u> </u>	1				4	25. Wash	& Ream		1
	 		-			DEC	1 3 2004	26. Well C	ontrol		
	 	 		 				27. WOC			6
	+	 -	 	1		DUL OF OU	CAC O MINIMO	28. Other			3.5
	 	 	 	 		- DIV. OF OIL	, GAS & MINING	Total		24	271
Total	Hours	24.0	+								
	owntime	 	Fuel	Jsage	terial on Board			Previous Cost	\$344		
,	,							Dally Cook	\$20	207	



	Bloc	k, Lease and Well N	<u>√o.</u>	Contract Rig	DOL	DFS	Date on Location	Spud Date	Report Date
	N. Tho	mpson - State MSC	#16-1	Union #7	29	8	4/27/2004	May 18, 2004	May 26, 2004
MD	TVD	Footage	AFE No.	AFE Amount	Auth. TD.		Company Repres	entative	
4,540	4,540	92	1	\$600,000		7,700'	<u> </u>	Roger Knight	
		Present Operati	<u>on</u>	Rig Phone:	(4:	35) 220-09	99 <u>Toolpushe</u>	Ľ	
		Drilling		Rig Fax:	(254) 460-2490) (alt)	Doug McLean	

Size Bit Type and No Size Manufacturer Serial Number Jets Depth in Footage Hrs WOB Rpm ROP Total ROP	4,040	4,040		·				1=1 01		1	0 = 1 000 00						
DOTECTION Contractor Cont			-		<u>on</u>					,				_			
Mind:				rilling				Rig Fax:		(254) 460-249	(ait)		Doug McLea	л		
Mind:					,										510 E1 E1		
Seas: Problem? Yes Yes No Pass? Yes No Service 3		t Weather			<u> </u>										RIG ELE		بسيدين
Sty: M. Jones M. Pass? Yes No Service 3						Sample	Date									15	
Casing String											Next BOF	1 est Date			h		
Casing String				✓ No	Pass?	Yes	∐ No	Se	IVICE	3	<u> </u>			RKB-CHF			11
Section Sect				I OD	1 1876	Crado	Coop	l ito	Dun	Cotting	. Oooth	Line	Ton	I MM/ whon		1.07	
Total Tota		Casing Str	mg	OB	***.	Grade	Coin.] 315	. Run					l .	Proc		Leakof
Inface	onduct	Or.		16"	<u> </u>	I I P	I w				C MINE AND DESCRIPTION OF THE PARTY OF THE P	700		1,000	7 103		Louko
T, WEIGHY, SPEED AND HYDRAULICS RECORD BIT No Size Manufacturer Serial Number Jets Depth in Footage Hrs WOB Rom ROP Tooth Bearing 3 7.7/8 Hughes GT 518 5030150 12,12,12 3,148' 1,392' 59 35 80 23.6 Bit Remarks: Cum. ROT. Hrs PU.Wt. SO.Wt. ROT.Wt. Torque Roy Roy Roy Roy Roy Roy Roy Roy Roy Roy					24				12					Air			
Bit						1						 					
Bit						.	-										
Bit		**	"				1										
Bit																	
Bit																	
No		IGHT, SPE			LICS RE	CORD											
Stroke X Liner Output SPM GPM Pressure JV Pb AV Speed SPM Pressure SPM SIOW Pressure JV Pb AV Speed SPM SIOW Pressure SPM SIOW Pressure JV Pb AV Speed SPM SIOW Pressure SPM SIOW Pressure JV Pb AV Speed SPM SIOW Pressure SPM SIOW Pressure JV Pb AV Speed SPM SIOW Pressure SPM SIOW Pressure JV Pb AV Speed SPM SIOW Pressure SPM SIOW Pressure JV Pb AV Speed SPM SIOW Pressure SPM SIOW Pressure JV Pb AV Speed SPM SIOW Pressure SPM SIOW Pressure JV Pb AV Speed SPM SIOW Pressure SPM SIOW Pressure JV Pb AV Speed SPM SIOW Pressure SPM SIOW Pressure JV Pb AV Speed SPM SIOW Pressure SPM SIOW Pressure JV Pb AV Speed SPM SIOW Pressure JV Pressure JV Pb AV Speed SPM SIOW Pressure JV Pressure JV Pb AV Speed SPM SIOW Pressure JV Pressure JV Pb AV Speed SPM SIOW Pressure JV Pressure JV Pb AV Speed SPM SIOW Pressure JV Pressure JV AV Speed SPM SIOW Pressure JV SPM JV SIOW S			Bit Typ	e and													
Sit Remarks: Cum.ROT.Hrs	~						The second second						The second second		Tooth	Bearing	Gage
No. Stroke X Liner Output SPM GPM Pressure JV Pb AV Speed SPM Pump #1 Pump #2 P	3	7 7/8	Hughes	GT 518	5030	150	12,	12,12	3,148'	1,392'	59	35	80	23.6			—-
No. Stroke X Liner Output SPM GPM Pressure JV Pb AV Speed SPM Pump #1 Pump #2 P	Dit D	- marka:			l			Cum 6	OT Hrs		100		164	507	1 144	T	
Stroke X Liner Output SPM GPM Pressure JV Pb AV Speed SPM Pump #1 Pump #2 P DC DP 1/4 46 260 260 270 2 14 x 5.5 4.37 66 288 950 347 216 1/2 60 350 700 2 2 14 x 5.5 4.37 66 288 950 347 216 1/2 60 350 700 2 2 2 2 2 2 2 2 2	<u>DIL IX</u>	ainains.									7 VVL	30	VVI	, KOI	VVI	10	que
No. Stroke X Liner Output SPM GPM Pressure JV Pb AV Speed SPM Pump #1 Pump #2 P	ump	T		T		1			Ī		г				Slow	Pump Pres	sures
1 9 x 6 3.15 117 378 1250 347 216 1/2 60 350 4 4 5.5 4.37 66 288 950 3700 4 5 4 6 6 700 4 6 6 700 4 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 7 6 6 7 6 7 6 6 7 6 7 6 6 7 6	No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure	JV	Pb	A	١V	Speed	SPM	Pump #1	Pump #2	Pump :
2 14 x 5.5 4.37 66 288 950 3/4 60 700 HA ength: 487.33 Description: 7 7/8" bit (1"), bit sub (3.40"), 16 - 6.25" DC (482.93") UD DATA WT. VIS PV YP GELS WL HTHP CAKE SLDS % LGS % OIL % SD % MBT PH Pm T 9.0 37 8 9 2/6 6.8 2 5 89 6 1.00 9.4 Chlorides Ca++ Temp Temp Shaker Screens Hours Mud Engineer Mud Company T 1200 40 94 94 #1 #2 Desand Cent. Mike Welker Anchor #3 #4 Desit Mud Cl Daily Cost Cumulative Cost \$89,117 \$17,429				gps							DC	DP	1/4	46	260		
A	1	9	x 6	3.15	117	378	1	250			347	216	1/2	60	350		
Description: 7 7/8" bit (1"), bit sub (3.40"), 16 - 6.25" DC (482.93")		14	x 5.5	4.37	66	288	9	950					3/4	60		700	
WT. VIS PV YP GELS WL HTHP CAKE SLDS % LGS % OIL % SD % MBT PH Pm T 9.0 37 8 9 2/6 6.8 2 5 89 6 1.00 9.4 Chlorides Ca++ Temp Temp Temp Shaker Screens Hours Mud Engineer Mud Company T 1200 40 94 94 #1 #2 Desand Cent. T 180 Mike Welker Anchor #3 #4 Desit Mud Cl Daily Cost Cumulative Cost SP,117 \$17,429	HA																
WT. VIS PV YP GELS WL HTHP CAKE SLDS % LGS % OIL % SD % MBT PH Pm	ength:	487.33	Descri	ption:	7 7/8" b	it (1'), bit :	sub (3.4	0'), 16 ~ 6	.25" DC (48	32.93')							
WT. VIS PV YP GELS WL HTHP CAKE SLDS % LGS % OIL % SD % MBT PH Pm																	
WT. VIS PV YP GELS WL HTHP CAKE SLDS % LGS % OIL % SD % MBT PH Pm																	
T 9.0 37 8 9 2/6 6.8 2 5 89 6 1.00 9.4 Chlorides Ca++ Temp Temp Shaker Screens Hours Mud Engineer Mud Company	IUD DA	ATA															
Chlorides Ca++ Temp Temp Shaker Screens Hours Mud Engineer Mud Company		WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pН	Pm	Pf/Mf
Chlorides Ca++ Temp Temp Shaker Screens Hours Mud Engineer Mud Company	IT	9.0	37	8	9	2/6	6.8		2	5	89	6	1.00		9.4		.1/.4
Chlorides Ca++ Temp Temp Shaker Screens Hours Mud Engineer Mud Company																	
Chlorides Ca++ Temp Temp Shaker Screens Hours Mud Engineer Mud Company																	
T 1200 40 94 94 #1 #2 Desard Cent. 180 Mike Welker Anchor #3 #4 Desilt Mud Cl Daily Cost Cumulative Cost RECTIONAL SURVEYS				_				Chakas									
180 Mike Welker Anchor	-											lud Engine	er		<u> </u>	lud Compa	пу
#3 #4 Desilt Mud Cl Daily Cost Cumulative Cost RECTIONAL SURVEYS #3 #4 Desilt Mud Cl Daily Cost Cumulative Cost \$9,117 \$17,429	11	1 7	200		10	94	94		#2	Desand	Cent.		All			A m. a.b	
RECTIONAL SURVEYS \$9,117 \$17,429		<u> </u>		L			Ь			Danit	Marie Ci			er T			
RECTIONAL SURVEYS								#3	#4	Desiit	Mua Cl		Cost		Ç		USI
	RECT	ONAL SU	RVEYS									45,117			L	\$17,429	
				D	AN	GLE	Dire	ection	Coord	inates	· ·	's	DL	1	CLOS	URE	
	**********											Ť ·					
				D	AN	GLE	Dire					\$9,117				\$17,429	

MD	TVD	ANGLE	Direction	Coordinates	V\$	DL	CLOSURE
OPERATIONS SUI	MMARY	í					

TI	ME		Time	Boats:	Supply Boat Name:			Status:		
FROM	TO	HOUR	Code		Crew Boat Name:			Status:		
0600	0700	1.0	5	Drill from 4448'	to 4470' with LSND mud. Pipe	stuck on connection.		Time Su	ımmary	
0700	1530	8.5	19	Work stuck pipe	e. Attempt to pump air, condition	ning mud. Booster		Activity	Daily	Cum
				pump not worki	ing. RU replacement air booster	. •		1. Mob/DeMob		16
1530	2300	7.5	19	Pump diesel pil	I with pipe free across collars. V	Vorking stuck pipe. Rl	J	2. Cement		4.5
				replacement bo	ooster. *			3. Circulate	3.5	14.5
2300	2330	0.5	19	Aerate mud, cir	culate hole. Pipe came free.			4. Directional Work		
2330	0300	3.5	3	Shut off air, Cir	culate and condition mud.			5. Drilling	4	131.2
0300	0600	3.0	5	Drill 4470' to 45	540' with LSND mud.			6. Drive Pipe		
								7. Fishing		
								8. OH Logging		
				* AirComp two	stage booster arrived @ 2115 h	rs. Centrifuge and sta	nd	9. Lost Circ.		
				arrived @ 0100				10. Drill Cmt./LOT		1.75
	<u> </u>							11. N.U./ N.D.		7.5
				No shows:				12. P.U./L.D. BHA		5.25
								13. P.U./L.D. Pipe		
				Navajo - 4320'				14. R/U; R/D		
				Projected Kaye	nta 4734'			15. Rig Repair		19
								16. Run Casing		2
				BGG = 125 unit	ts			17. Service Rig		0.5
				TG = NA				18. Sidetrack Op.		
				CG = 5 units				19. Stuck Pipe	16.5	18
				DG = nil				20. Survey		6.75
								21. Trips		5.5
				Mark Jones w/	DONR visisted rig. No problems	. GW left him messag	e on	22. Tst. BOPs		4
				progress.				23. UR/HO		
								24. W.O.W.		
								25. Wash & Ream		1
								26. Well Control		
								27. WOC		6
								28. Other		3.5
****								Total	24	247
Total		24.0	Curi 11							
Rig Do	wittime	Daily	Fuel U	sage 00 Gals	terial on Board Cement:		Previous C			
		ily	- 0	oo Gais	Coment.	SX	Daily Cost	\$22	435	



PPI Technology Services

MSC Exploration Daily Drilling Report

	Lease and Well N	1	Contract Rig Union #7	<u>DOL</u> 32	<u>DFS</u>	Date on Location 4/27/2004	<u>Spud Date</u> May 18, 2004	Report Date May 29, 2004
MD TVD 5,500 5,500	Footage 418	AFE No.	AFE Amount \$600,000	Auth. TD.	7,700	Company Repres	entative Roger Knight	
	Present Operati Drilling	ion	Rig Phone: Rig Fax:	,	35) 220-09) 460-2490		I onrad Tonney	

		pson - Stat					Union #7		32	11	4/27/2		May 18,	, 2004	May 29	, 2004
MD 5 500	TVD	Foota 418	ge	AFE	No.	-	\$600,000		Auth. TD.	7,700	Compan	ny Represe	entative Roger Knight	t		
5,500	5,500		Operation	n.			Rig Phone		(43	5) 220-099	9]	oolpusher				
			rilling				Rig Fax:		(254)	460-2490	(alt)	C	onrad Tonne	y		
							Dla	[]	- 1	Last BOP 1	Test Date			RIG ELEV	ATIONS	
Current V	Veather	DONR	Visit No		NPDES Sample	Date	People	rator			/19/2004		RKB	1110 22217		ft
Wind: Seas:		Problem?	Yes	LCOU	Sample	Date		ractor		Next BOP			Water Depth	1		ft
Sky:		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Pass?	Yes	□No	Ser	vice					RKB-CHF			ft
ASING F				140	0 4	0	Ha	Run	Setting	Denth I	Liner	Ton	MW when		LOT	
Ç	asing Strir	ng	OD	Ŵt.	Grade	Conn.	JIS.	ruii	MD	TVD	MD	TVD	Run	Pres		Leakoff?
onductor			16"		LP	W			100'	100'						
urface			8 5/8"	24	J55	STC	1	2	505'	505'			Air	 		
														 		
IT WEI	LIT ODE	ED AND H	VDRAUI	ICS REC	ORD	L	<u></u>		<u> </u>					L		
BIT	,,,, <u>0. 1</u>	Bit Type	e and						Total			_	Avg	Tooth	Grade Bearing	Gage
No	Size	Manufa			Number		ets	Depth In 5082'	Footage 418'	Hrs 23 1/2	WOB 35	Rpm 80	ROP 17.8	10001	Dearing	Gage
4	7 7/8	Varel ET	D 517	1110	/1	- 0	pen	5002	410	23 1/2		1				
Bit Rer	narks;							OT. Hrs		Wt		Wt	ROT	T Wt		que
)					·		13	37.5	1:	28	17	24		Slow	Pump Pres	sures
Pump No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure	J۷	Pb	A		Speed	SPM		Pump #2	Pump #3
			gps	<u></u>				<u> </u>		DC	DP 205	1/4	46 50	260 350		
1 2		x 6 x 5.5	3.15 4.37	117	378 800 scf		580 580	 	 	466	305	3/4	77	680		
BHA	14	X 3.3	4.07	<u> </u>	<u></u>			<u> </u>		<u> </u>						
Length:	517.46	Descri	ption:	7 7/8" b	it (1'), bit	sub (3.4	0'), 10 - 6.	.25" DC (3	08.49'), Jar	rs (29.13),	6 - 6.25" [OC (174.44	4')			
				· · · · · · · · · · · · · · · · · · ·												
MUD DA	ΤΔ															
	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %		OIL %	SD %	MBT	pН	Pm	Pf/Mf
PIT	8.5+	29	1	1	0/0	nc			1	99	ļ	tr	 	8	<u> </u>	0/.1
		L	<u> </u>	L	<u> </u>	<u> </u>	<u> </u>	<u></u>	1	<u> </u>	<u> </u>		<u> </u>	<u> </u>	L	
			Г		Smpl	F.L.	1							Τ.	tud Campa	
		orides		8++	Temp	Temp	_	Screens	Desand		Aud Engine	eer		 "	lud Compa	ny
PIT	18	5000	<u> </u>	40	 	 	#1 180	#2	Desand	24	4	Bill Mille	r		Anchor	
	l		<u> </u>		<u></u>		#3	#4	Desilt	Mud Cl		y Cost		Cu	s30,869	Cost
									24	<u>.l</u>	\$7,067	ــــــــــــــــــــــــــــــــــــــ			\$30,005	
	ONAL SU		/D	At	NGLE	Di	rection	Coor	rdinates		/S	DL		CLOS	SURE	
									ļ	Ţ	Į	1—				
005043	IONS SU	MANAGY				<u> </u>	· · · · ·	<u> </u>		<u> </u>			ــــــــــــــــــــــــــــــــــــــ			
	ME	MINIAKI	Time	Boats:				Boat Name					Status:			
FROM	TO	HOUR	Code	↓				Boat Name):				Status:	Time S	ummary	<u> </u>
0600	0630	0.5	25	Wash	and real	m from	5060' to !	5082'	ND mud.				- Ac	tivity	Daily	Cum.
0630	0600	23.5	5	Drill fr	om 5082	10 550	U With a	erated LS	ND muu.				1. Mob/D			16
	ļ			 									2. Cemen			4.5
		 	 	 									3. Circula	ite		16
			1	Est. E	CD = 5.9	ppg								onal Work		ļ
		1											5. Drilling		23.5	189.25
			1	Est. 4	0 bbl/hr f	formatio	n water i	into syste	m				6. Drive F		 	
	ļ	 	+	 									8. OH Lo		1	
	 	1	+	 									9. Lost C			
	 	1	 	No sh	ows:									Cmt./LOT		1.75
	1												11. N.U./		 	7.5
					rump - 5									L.D. BHA	 	5.25
	<u> </u>	1	<u> </u>	Moen	kopi - 53	82'							13. P.U./ 14. R/U;	L.D. Pipe	+	+
<u> </u>	1	 		 	-4 144.	to D!	60401						14. R/U; 15. Rig R		+	19
<u> </u>		 		Projec	cted Whi	ie Kim	- 0012						16. Run (†	2
<u> </u>	 	 	 	BGG	= 10 uni	ts							17. Servi			4.5
1	 	1	1	_			but unab	le to read	-				18. Sidet		ļ	
				CG =	20 units								19. Stuck			18
				DG =	20 units								20. Surve		 	7.75
<u> </u>	 	1	1	1					· · · · · · · · · · · · · · · · · · ·				21. Trips 22. Tst. I		+	11.5
		 	 	+-									23. UR/H		1	1
		 	+	+				- · · · - · ·	RF	CE	AEL)	24. W.O.			
									7 5 700					h & Ream	0.5	2.5
	†			1									25. Wasi	II or Lealin	0.5	
	-										2004		26. Well	Control	0.5	
										C 13	2004			Control	0.5	6 3.5

DIV. OF OIL, GAS & MINING Previous Cost Daily Cost Cum. Cost \$395,721 \$26,302 \$422,023 terial on Board



Bloc	k, Lease and Well N	0.	Contract Rig	DOL	DFS	Date on Location	Spud Date	Report Date
N. Tho	mpson - State MSC	¥16-1	Union #7	31	10	4/27/2004	May 18, 2004	May 28, 2004
MD TVD	Footage	AFE No.	AFE Amount	Auth, TD.		Company Represe	entative	<u></u>
5,082 5,082	182		\$600,000		7,700'	F	Roger Knight	
	Present Operation	on.	Rig Phone:	(43	35) 220-09	999 <u>Toolpusher</u>		
	Wash & Ream)	Rig Fax:	(254)	460-2490	(alt) C	onrad Tonney	

N. Thompson - State MSC #16-1							Union #	7 .	31	10	4/27/	2004	May 18	, 2004	May 2	8, 2004
MD	TVD	Foot:	_	AFE	No.		AFE Amo \$600,000	•	Auth. TD.	7,700'	Compa	ny Repres	sentative Roger Knight			
5,082	5,082		t Operati	ion		L	Rig Phon		(4	35) 220-09	99	Toolpush				
			h & Rean				Rig Fax:) 460-2490			Conrad Tonne	өу		
urrani	t Weather	I DONR	\/ieit		NPDES		People	on Loc.:		I ast BOP	Test Date		T	RIG ELEV	ATIONS	
Wind:	· Weather	Yes	No	LC50	Sample	Date		erator			5/19/2004		RKB	THIS ELL!		ft
Seas:		Problem?						tractor		Next BOP	Test Date		Water Depti	h		ft
Sky:			☐ No	Pass?	Yes	No	Sei	rvice					RKB-CHF			ft
ASING	RECORD				****											
	Casing Str	ing	OD	Wt.	Grade	Conn.	Jts.	Run		Depth		Тор	MW when		LOT	
onduct			16"	 	LP	l w			MD 100'	100'	MD	TVD	Run	Pres	EMW	Leako
urface	IOI		8 5/8"	24	J55	STC	·····	12	505'	505'			Air			
			1 0 0.0										+ • • • • • • • • • • • • • • • • • • •	-		
			I													
			ļ		ļ									<u> </u>		
T. WE	IGHT SPE	ED AND H) IYDRAUI	LICS REC	CORD	<u> </u>	L			<u> </u>	<u> </u>	L		<u> </u>	L	
BIT	1	Bit Typ						l	Total		ľ T	·	Avg	1	Grade	
No	Size	Manufa		Serial	Number	L,	lets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gag
3	7 7/8	Hughes		50301			12,12	3,148'	1,934'	93 1/2	35	80	20.7	7	6	1/2
4	7 7/8	Varel ET		1110	71	٥	pen	5082'								
Bit Re	emarks:	even wear	across a	ill teeth				ROT. Hrs		Wt		Wt	ROT		Tor	que
ump	1		T				<u> </u>	14		12		<u> </u>	<u> </u>		Pump Pres	SUITAS
No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure	JV	Pb	A	V	Speed	SPM	Pump #1	Pump #2	Pump
			gps	<u> </u>		<u>. </u>				DC	DP	1/4	46	260		
1		x 6	3.15	117	378		250			347	216	1/2	50	350		
2 1A	14	x 5.5	4.37	66	288		950	L				3/4	77	680		
UD DA	· · · · · · · · · · · · · · · · · · ·	1 1/10		\/D	Losio	140		0045	0.000							
Ť	WT. 8.7	VIS 36	PV 8	YP 8	GELS 3/11	WL	нтнр	CAKE	SLDS %	LGS %	OIL %	SD %	MBT			
<u> </u>		- 30	<u> </u>					2	3.2				Wildi	pH	Pm	
						9.4		2	3.2	92.8	4	0.13	. M.D.I	10.5	rm	
	0.1					9.4		2	3.2					والمسترين والمسترين	FIII	
7	I Chr	!-			Smpl	F.L.	Chakas			92.8	4	0.13		10.5		.4/.7
		orides 400		10	Smpl Temp	F.L. Temp		Screens	Ho	92.8 urs M		0.13		10.5	lud Compar	.4/.7
		orides 400		a++ 10	Smpl	F.L.	#1			92.8 urs M Cent.	4	0.13 er		10.5	lud Compar	.4/.7
					Smpl Temp	F.L. Temp		Screens	Ho	92.8 urs M	4	0.13 er Bill Miller		10.5		.4/.7 ny
	4	400			Smpl Temp	F.L. Temp	#1 180	Screens #2	Ho Desand	92.8 urs M Cent. yes	4 ud Engine	0.13 er Bill Miller		10.5	lud Compar	.4/.7 ny
	IONAL SU	400 RVEYS	4	10	Smpl Temp 98	F.L. Temp	#1 180 #3	Screens #2 #4	Ho Desand Desilt yes	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost		10.5 M	Anchoromulative Co \$23,802	.4/.7 ny
٨	IONAL SU	RVEYS	0	I AN	Smpl Temp 98	F.L. Temp	#1 180	Screens #2 #4	Ho Desand Desilt	92.8 urs M Cent. yes	4 lud Engine Daily \$5,317	0.13 er Bill Miller		10.5	Anchoromulative Co \$23,802	.4/.7 ny
٨	IONAL SU	400 RVEYS	0	I AN	Smpl Temp 98	F.L. Temp	#1 180 #3	Screens #2 #4	Ho Desand Desilt yes	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost		10.5 M	Anchoromulative Co \$23,802	.4/.7 ny
49 PERAT	IONAL SU MD 947	RVEYS TV	0	I AN	Smpl Temp 98	F.L. Temp	#1 180 #3	Screens #2 #4	Ho Desand Desilt yes	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost		10.5 M	Anchoromulative Co \$23,802	.4/.7 ny
49 PERAT	IONAL SUMD 947	RVEYS TVI 494	D Time	I AN	Smpl Temp 98	F.L. Temp	#1 180 #3 ection	Screens #2 #4 Coord	Ho Desand Desilt yes	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost	Status:	10.5 M	Anchoromulative Co \$23,802	.4/.7 ny
49 PERAT	IONAL SU	RVEYS TVI 494 WMARY HOUR	Time Code	AN 1.0	Smpl Temp 98	F.L. Temp 98	#1 180 #3 ection Supply Bo	Screens #2 #4 Coord Coord Name: pat Name:	Ho Desand Desilt yes	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost		M Cu	Anchor mulative C \$23,802 URE	.4/.7 ny
PERAT TI ROM 0600	IONAL SU MD 947 TIONS SUI IME TO 1200	RVEYS TVI 494 WMARY HOUR 6.0	D	AN 1.0	Smpl Temp 98	F.L. Temp 98	#1 180 #3 ection Supply Bo	Screens #2 #4 Coorc oat Name: oat Name: ND mud.	Ho Desand Desilt yes	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost	Status: Status:	M CLOS	Anchor mulative Cc \$23,802 URE	.4/.7
PERAT TI ROM 0600 1200	10NAL SU MD 947 110NS SUI ME 1200 1300	RVEYS TVI 494 MMARY HOUR 6.0 1.0	Time Code 5	AN 1.(Smpl Temp 98 GLE 20°	F.L. Temp 98 Directo 4989 deg, Se	#1 180 #3 ection Supply Bc Crew Bc ' with LSi rvice Rig	Screens #2 #4 Coorc pat Name: pat Name: ND mud.	Ho Desand Desilt yes	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost	Status: Status:	10.5 M CLOS Time Suvity	Anchor mulative C \$23,802 URE	.4/.7
PERAT TI FROM 0600 1200	4 4 10 10 10 10 10 10	### ##################################	Time Code 5 20 5	ANA 1.0 Boats: Drill froi	Smpl Temp 98 GLE 20° 4947' 1 m 4989'	F.L. Temp 98 Directo 4989 deg, Setto 5082	#1 180 #3 ection Supply Bo Crew Bo ' with LSi rvice Rig	Screens #2 #4 Coorc pat Name: pat Name: ND mud.	Ho Desand Desilt yes	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost	Status: Status: Activ	10.5 M CLOS Time Suvity Mob	Anchor mulative Cc \$23,802 URE	.4/.7
PERAT TI ROM 0600 1200 1300	4	### RVEYS TVI 494 ################################	Time Code 5 20 5 3	Boats: Drill from Survey Drill from Circulate	Smpl Temp 98 GLE 20° 4947' 1 m 4989'	F.L. Temp 98 Directo 4989 deg, Setto 5082	#1 180 #3 ection Supply Bo Crew Bo ' with LSi rvice Rig	Screens #2 #4 Coorc pat Name: pat Name: ND mud.	Ho Desand Desilt yes	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost	Status: Status: Activ 1. Mob/Det 2. Cement	10.5 M CLOS Time Suvity Mob	Anchor mulative Cc \$23,802 URE	.4/.7 Dy Cum 16 4.5
PERAT TI ROM 0600 1200 1300 1730 1730	4	### RVEYS TVI 494 ################################	Time Code 5 20 5 3 21	Boats: Drill froi Survey Drill froi Circulat	Smpl Temp 98 GLE 20° 4947' 1 (m 4989' 4948' 2 and co	F.L. Temp 98 Directo 4989 deg, Se to 5082	#1 180 #3 ection Supply Bo Crew Bo ' with LSi rvice Rig ' with LSi hole for 1	Screens #2 #4 Coorc pat Name: ND mud. ND mud.	Ho Desand Desilt yes	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost	Status: Status: Activ 1. Mob/Det 2. Cement 3. Circulate	Time Suvity	Anchor mulative Cc \$23,802 URE	Curm
PERAT TI ROM 0600 1200 1300 1730 1730	4	### RVEYS TVI 494 ################################	Time Code 5 20 5 3	Boats: Drill froi Survey Drill froi Circulat TOOH	Smpl Temp 98 GLE 20° 4947' 1 m 4989' e and co	F.L. Temp 98 Directo 4989 deg, Setto 5082 pndition s, jars, 6	#1 180 #3 section Supply Bo Crew Bo ' with LSi rvice Rig ' with LSi hole for 1	Screens #2 #4 Coorc pat Name: ND mud. ND mud. trip. Pum	Ho Desand Desilt yes linates	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost	Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction	Time Suvity	Anchor Imulative Co \$23,802 URE mmary Daily	Cummy 16 4.5 16
PERAT TI- FROM 0600 1200 1300 1730 1900 2230	A A A A A A A A A A	### RVEYS TV 494 #### ##########################	Time Code 5 20 5 3 21 21	Boats: Drill froi Survey Drill froi Circulat TOOH TIH with	Smpl Temp 98 GLE 20° 4947' 1 m 4989' re and co	F.L. Temp 98 Directo 4989 deg, Setto 5082 pndition s, jars, 6	#1 180 #3 section Supply Bo Crew Bo ' with LSi rvice Rig ' with LSi hole for 1	Screens #2 #4 Coorc pat Name: ND mud. ND mud. ND mud.	Ho Desand Desilt yes linates	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost	Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling	Time Suvity Mob all Work	Anchor mulative Cc \$23,802 URE	Cummy 16 4.5 16
PERAT TI- FROM 0600 1200 1300 1730 1900 2230	A A A A A A A A A A	### RVEYS TV 494 ################################	Time Code 5 20 5 3 21 21 17	Boats: Drill from Survey Drill from Circulate TOOH TIH with Installed Service	Smpl Temp 98 GLE 20° 4947' 1 m 4989' e and co	F.L. Temp 98 Directo 4989 deg, Setto 5082 pndition s, jars, 6	#1 180 #3 section Supply Bo Crew Bo ' with LSi rvice Rig ' with LSi hole for 1	Screens #2 #4 Coorc pat Name: ND mud. ND mud. trip. Pum	Ho Desand Desilt yes linates	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost	Status: Status: Activ 1. Mob/Det 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip	Time Suvity Mob all Work	Anchor Imulative Co \$23,802 URE mmary Daily	Curry 16 4.5
PERAT TIFROM 0600 1200 1300 1730 1900 2230	ME	### RVEYS TV/ 494 ################################	Time Code 5 20 5 3 21 21 17 21	Boats: Drill froi Survey Drill froi Circulat TOOH TIH with Installed Service TIH to 4	Smpl Temp 98 GLE 20° 4947' 1 m 4989' e and co	F.L. Temp 98 bird to 4989 deg, Set to 5082 pondition s, jars, 6 tating h	#1 180 #3 supply Bo Crew Bo ' with LSi rvice Rig ' with LSi hole for 1	Screens #2 #4 Coorc pat Name: ND mud. ND mud. trip. Pum	Ho Desand Desilt yes linates	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost	Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pig 7. Fishing	Time Suvity Mob all Work	Anchor Imulative Co \$23,802 URE mmary Daily	Cummy 16 4.5 16
PERAT TI-ROM 0600 1200 1300 1730 1900 2230	A A A A A A A A A A	### RVEYS TV 494 ################################	Time Code 5 20 5 3 21 21 17	Boats: Drill froi Survey Drill froi Circulat TOOH TIH with Installed Service TIH to 4	Smpl Temp 98 GLE 20° 4947' 1 m 4989' e and co	F.L. Temp 98 bird to 4989 deg, Set to 5082 pondition s, jars, 6 tating h	#1 180 #3 supply Bo Crew Bo ' with LSi rvice Rig ' with LSi hole for 1	Screens #2 #4 Coorc pat Name: ND mud. ND mud. trip. Pum	Ho Desand Desilt yes linates	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost	Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pig 7. Fishing 8. OH Logg	Time Suvity Mob all Work	Anchor Imulative Co \$23,802 URE mmary Daily	Cum 16 4.5
PERAT TI FROM 0600 1200 1300 1730 1900 2230 0000 0400	ME	### RVEYS TV/ 494 ################################	Time Code 5 20 5 3 21 21 17 21	Boats: Drill froi Survey Drill froi Circulat TOOH TIH with Installed Service TIH to 4	Smpl Temp 98 GLE 20° 4947' 1 m 4989' e and co	F.L. Temp 98 bird to 4989 deg, Set to 5082 pondition s, jars, 6 tating h	#1 180 #3 supply Bo Crew Bo ' with LSi rvice Rig ' with LSi hole for 1	Screens #2 #4 Coorc pat Name: ND mud. ND mud. trip. Pum	Ho Desand Desilt yes linates	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost	Status: Status: Status: 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pig 7. Fishing 8. OH Logg 9. Lost Circ	Time Suvity Mob all Work pe	Anchor Imulative Co \$23,802 URE mmary Daily	Cum 16 4.5 16
49 PERAT	ME	### RVEYS TV/ 494 ################################	Time Code 5 20 5 3 21 21 17 21	Boats: Drill froi Survey Drill froi Circulat TOOH TIH with Installed Service TIH to 4	Smpl Temp 98 GLE 20° 4947' 1 m 4989' e and co	F.L. Temp 98 bird to 4989 deg, Set to 5082 pondition s, jars, 6 tating h	#1 180 #3 supply Bo Crew Bo ' with LSi rvice Rig ' with LSi hole for 1	Screens #2 #4 Coorc pat Name: ND mud. ND mud. trip. Pum	Ho Desand Desilt yes linates	92.8 urs M Cent. yes Mud Cl	4 lud Engine Daily \$5,317	0.13 er Bill Miller Cost	Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pig 7. Fishing 8. OH Logg	Time Suvity Mob anal Work Dee	Anchor Imulative Co \$23,802 URE mmary Daily	Cum. 16 4.5

FROM	TO	HOUR	Code		Crew Boat Name):		Status:		
0600	1200	6.0	. 5	Drill from 4900	' to 4989' with LSND muc			Time St	ımmary	
1200	1300	1.0	20		deg, Service Rig			Activity	Daily	Cum.
1300	1730	4.5	5	Drill from 4989	to 5082' with LSND muc			1. Mob/DeMob		16
1730	1900	1.5	3	Circulate and c	condition hole for trip. Pu	mp small pill		2. Cement		4.5
1900	2230	3.5	21	тоон				3. Circulate	1.5	16
2230	0000	1.5	21	TIH with 10 DC	Cs, jars, 6 DCs, 1 stand D	P		4. Directional Work		
				Installed new re	otating head driver bushi	ngs & rubber		5. Drilling	10.5	165.75
0000	0400	4.0	17	Service Rig				6. Drive Pipe		
0400	0500	1.0	21	TIH to 4977'				7. Fishing		
0500	0600	1.0	25	Wash & Ream	4977' to 5060'			8. OH Logging		
								9. Lost Circ.		
								10. Drill Cmt./LOT		1.75
								11. N.U./ N.D.		7.5
								12. P.U./L.D. BHA		5.25
				Corrosion rings	installed in top of DCs a	nd in saver sub		13. P.U./L.D. Pipe		
								14. R/U; R/D		
								15. Rig Repair		19
								16. Run Casing		2
								17. Service Rig	4	4.5
				No shows:				18. Sidetrack Op.		
								19. Stuck Pipe		18
				Projected Chini	le - 5234'			20. Survey	1	7.75
								21. Trips	6	11.5
				BGG = 11 units	<u> </u>			22. Tst. BOPs		4
				TG = na				23. UR/HO		
				CG = nil units				24. W.O.W.		
				DG = nil units				25. Wash & Ream	1	2
								26. Well Control		
								27. WOC		6
								28. Other		3.5
Total	davisa	- 34.0						Total	24	295
Total I		24.0	Fuel Us	222	Line of the December of the Control					
Daily		Daily	71		terial on Board Cement:	ev.	Previous (
Cum.		Cum.	648		Barite:	sx sx	Daily Cos Cum. Cos	\$30,	464	





		DCI VI	CCS							D 1 D
Г		Bloc	k, Lease and Well i	No.	Contract Rig	DOL	DES	Date on Location	Spud Date	Report Date
ı			npson - State MSC		Union #7	34	13	4/27/04	May 18, 2004	May 31, 2004
ŀ	MD	TVD	Footage	AFE No.	AFE Amount	Auth. TD.		Company Represe	ntative	
ı	6,230	6.230	134		\$600,000		7,700	Ca	ri Hulslander	
H	0,200		Present Operat	tion	Rig Phone:	- (4	35) 220-09	999 <u>Toolpusher</u>		
I			TIH with new		Rig Fax:	(254) 460-249	0 (alt) Co	onrad Tonney	

		Block, Lease and Well No. N. Thompson - State MSC #16-1					Union #7		34	13	<u>Date on</u> 4/27		May 18		May 31	
MD	TVD TVD	Foots		AFE	No.		AFE Amou		Auth. TD.			y Repres		· •		
6,230	6,230	134					\$600,000			7,700			arl Hulsland	er		
		-	t Operatio				Rig Phone Rig Fax:	Ð :	•	35) 220-09) 460-2490		Foolpushe C	<u>r</u> Ionrad Tonne	∍v		į
		TIH w	ith new bi	<u> </u>			Rig Fax:		(254	1400-2430	/ (ait)		oraco roma	-,		
Current V	Veather	DONR	Visit		NPDES		People	on Loc.:		Last BOP	Test Date			RIG ELEV		
Wind:		∐ Yes	No	LC50	Sample	Date	Ope	rator			5/19/04		RKB			<u>†</u>
Seas:		Problem?	Yes					ractor		Next BOP	Test Date		Water Depti	<u>n</u>		ft
Sky:			☐ No	Pass?	Yes	☐ No	Ser	vice	L	ļ			RKB-CHF			<u>`</u>
CASING F			OD I	Wt.	Grade	Conn.	Jis	Run	Setting	Depth	Line	Тор	MW when		LOT	
C	asing Stri	ing	55	VVL.	Giade	001111	0.5.		MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor			16"		LP	W			100'	100'						
Surface			8 5/8"	24	J55	STC	1	2	505'	505'	ļ		Air			
									 		 					
							i									
											ļ		ļ	 		
	NE AK	ED AND H	NO ALL	ICO DEC	'OBD	<u> </u>			<u> </u>	L	<u> </u>	<u> </u>	l	l		
BIT, WEIG	3H1, SPE	Bit Typ		ICS REC	JORD	T			Total	Ţ	T T		Avg		Grade	
No	Size	Manufa		Serial	Number	١.,	Jets	Depth In		Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
4	7 7/8	Varel E		1110			pen	5,082	1,148'	51 1/2	35	70	22.3	8	8	1/4
5	7 7/8	Hughes	HX-S20	50395	521	13,	,14,14 Cum F	6,230' ROT. Hrs	Pi	Wt	sc	Wt	RO	T Wt	Tor	que
Bit Rer	narks:							5.5		30		26	1	28		
Pump											A)/	g	SPM	Slow	Pump Pres Pump #2	Sures Pump #3
No.	Stroke	e X Liner	Output	SPM	GPM	Pre	essure	1V	Pb	DC /	AV DP	Speed 1/4	46	260	rump #2	1 omp we
		C	gps 2.15	117	1250	-		-	+	347	216	1/2	50	350		
1 2		x 6 x 5.5	3.15 4.37	117 66	950	1		 	1	<u> </u>		3/4	77	680		
BHA			1													
Length:	517.46	Descr	iption:	7 7/8" b	it (1'), bit	sub (3.4	lo'), 10 - 6	.25" DC (3	308.49'), Ja	rs (29.13)	, 6 - 6.25"	DC (174.4	14')			
MUD DAT		,														
MUD DA	WT.	VIS	PV	YP	GELS	WL	нтнр	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	рН	Pm	Pf/Mf
PIT	8.8	30	30	4	.3	0.3	10.0		2.1	97.9		tr		8.5		0/.1
									J	<u> </u>	<u> </u>	1	l		<u></u>	L
					T 0	1 -							T			
		lorides	_	a++	Smpl Temp	F.L. Temp	Shake	r Screens	н	ours	Mud Engin	eer		N	/lud Compa	ny
PIT		5500		6	94		#1	#2	Desand	Cent						
							180			24		Bill Mille	er	+	Anchor umulative (Cost
		-					#3	#4	Desilt 24	Mud Cl	\$1,613	y Cost		Ť	\$36,609	
DIRECTI	ONAL S	IRVEYS						<u></u>			1 1 1 1					
	AD .		VD	A	NGLE	D	irection	Coo	rdinates		VS	DL		CLO:	SURE	
						Ţ		1								
		11111111		<u> </u>									اب			
	ME	JMMARY T	Time	Boats:			Supply I	Boat Name	Ð:				Status:			
FROM	TO	HOUR	Code					Boat Name					Status:			
0600	1130	5.5	5	Drilling	from 60	096' to (6230' with	aireatec	LSND m	ud			-1 .		ummary Daily	Cum.
1130	1200		3				n mud to	obtain di	illing prop	erties			1. Mob/D	ctivity	Dally	16
1200	1700	J	21		or new b	oit.		· · · · · ·					2. Cemer		 	4.5
1700	1730		17	Servic				n delli-c	proportion	•			3. Circula		6	22.5
1730	2100	1	3 45				u to obtai	ıı unung	properties	· <u>·</u>				onal Work	1	
2100 0030	0030		15	Kig re	pair - Pu	1111111 #1	vious RH	A to casir	ng shoe @	500'.			5. Drilling		5.5	217.25
0130	0130		21		illing line		VIOUS DITI	, to casil	.g 51,55 tt	,			6. Drive			
0230	0330		3				n mud to	obtain d	rilling prop	erties			7. Fishin			
0330	0400		21		2007'.	Je., and			97.5				8. OH Lo			
0400	0500		3			conditio	on mud to	obtain d	rilling prop	erties			9. Lost C	irc.		
0500	0600	1.0	21	GI to										Cmt./LOT	<u> </u>	1.75
	 	1		T									11. N.U.			7.5
	†											<u></u>	_	L.D. BHA	 	5.25
				No sh	ows:									L.D. Pipe		
				Projec	cted - Pe	enn SS	- 6682'						14. R/U;		3.5	22 E
													15. Rig F		3.5	22.5
					= 10 uni	its							16. Run		0.5	5.5
			_	TG =									17. Serv	track Op.	0.5	+ 3.5
<u></u>	1		-	_	20 units	over B	GG						19. Stuc			18
L	-			DG =	NA								20. Surv		+	8.25
<u> </u>	-	- 		1									21. Trips		7.5	19
ļ	 	- -		+-									22. Tst.		<u> </u>	4
	 	+		+							. 1 / / /		23. UR/I			
—	+	 	+-	+					H	LUE	IVE)	24. W.O			
				. 1										h & Ream		2.5

						DIV OF OIL CAC 9 M	OMBIAN	28. Other	11	4.5
						UIV. UF UIL, GAS & IV		Total	24	367
Total	Hours	24.0	1							
· Rio Do	wntime		Fuel Usage		sterial on Board		Previous	s Cost	\$447,543	
Daily	3.5 hrs	Daily	504	Gals	Cement:	sx	Daily Co	st	\$26,437	
Cum	22.5 hrs		9616	Gals	Barite:	sx	Cum. Co	ost	\$473,980	

DEC 1 3 2004

24. W.O.W. 25. Wash & Ream 26. Well Control

27. WOC 28. Other



	Serv	ices				Di	aily				οπ					
		ck, Lease a					Contract		DOL	DES		Location	Spud			rt Date
MD	N. Tho	mpson - Sta Foot			E No.	 	Union # AFE Amo		33 Auth, TD.	12		7/04 ny Repres	May 18 sentative	, ZUU4	L May 3	30, 2004
6,096	6,096	596	6				\$600,00	0		7,700'			Roger Knigh	t		
			nt Operati	ion			Rig Phon	10:	•	35) 220-09		Toolpushe	_			
L		E	Orilling				Rig Fax:		(254) 460-249	v (alt)		Conrad Tonne	ay .		
Current	Weather	DONR	Visit		NPDES			on Loc.:		Last BOP	Test Date			RIG ELEV		
Wind:		Yes	∐ No) Sample	Date		erator			5/19/04		RKB		15	ft
Seas: Sky:		Problem?		Pass?	Yes	No		tractor rvice	 	Next BOF	P Test Date		Water Dept	<u> </u>		ft
	RECORD			11 000.			,		<u> </u>	<u> </u>			1.4.5 0.1.			· · · · · · · · · · · · · · · · · · ·
	Casing Str	ing	OD	Wt.	Grade	Conn.	Jts.	. Run	Setting MD	Depth TVD	Line	r Top TVD	MW when	Pres	LÖT	Leakoff?
Conducte	or		16"	<u> </u>	LP	W	I		100'	100'	I MD	IVD	Run	Pres	EMINA	Leakon
Surface			8 5/8"	24	J55	STC		12	505'	505'			Air			
	-										-				<u> </u>	-
			ļ				1			 	 				<u> </u>	-
	IGHT, SPE	ED AND H		ICS REC	ORD				<u> </u>	1				L	I	<u> </u>
BIT No	Size	Bit Typ Manufa		Serial	Number		Jets	Denth In	Total Footage	Hrs	WOB	Rpm	Avg ROP	Tooth	Grade Bearing	Gage
4	7 7/8	Varel E1		1110			pen	5082	1,014'	46	38	80	22.0	70001	Dearing	Cage
5: 5							I 0 F	107.11	D.		- 66	144	505	116		
BITRE	emarks:							ROT. Hrs 60		28		Wt 24	ROT		10	rque
Pump		VII.	C.,	SPM	GPM	_		,,,	DL.		· · · · · · · · · · · · · · · · · · ·	6	000		Pump Pres	
No.	Stroke	X Liner	Output gps	SPM	GPM	Pre	essure	JV	Pb	DC	AV DP	Speed 1/4	SPM 46	Pump #1 260	rump #2	Pump #3
1		x 6	3.15	120	357	1	260			466	305	1/2	50	350		
2 BHA	14	x 5.5	4.37	<u> </u>	<u> </u>	1		<u> </u>	L	<u> </u>	<u></u>	3/4	77	680	L	L
Length:	517.46	Descri	ption:	7 7/8" bi	t (1'), bit	sub (3.4	0'), 10 - 6.	25" DC (30	08.49'), Jai	s (29.13),	6 - 6.25"	DC (174.4	4')			
MUD DA	TA				· · · · · · · · · · · · · · · · · · ·											
	WT.	VIS	PV	YP	GELS	WL	нтнр	CAKE	SLDS %	LGS %	Oil %	SD %	MBT	рΗ	Pm	Pf/Mf
PIT	8.6	28	1	1	0	NC			0.1			tr		7.5		0/.7
	l	[<u> </u>	L	<u>L.</u>	<u>. </u>	<u> </u>		l	1	<u> </u>	l			<u> </u>
				*	Smpl	F.L.		_							···	<u></u>
PIT	Chi	orides	Ca	3++	Temp	Temp	Shaker #1	Screens #2	Desand		Aud Engine	er		M	ud Compa	ny
	1					 	#1	#2	Desand		4					
					1					24		Bill Miller			Anchor	
					1	l	#3	#4	Desilt	24 Mud Cl		Bill Miller Cost		Ċu	mulative C	ost
DIRECTI	ONAL SU	RVEYS			I	I.	#3	#4	Desilt 24		Daily \$4,127			Cu		ost
N	ИD	TVI			GLE	Din	#3			Mud Cl				CLOS	mulative C \$34,996	ost
N					GLE 75 °	Din			24	Mud Cl	\$4,127	Cost			mulative C \$34,996	ost
58 OPERAT	AD 390 TIONS SUI	TVI 589	90	1.7		Din	ection	Coord	24	Mud Cl	\$4,127	Cost			mulative C \$34,996	ost
OPERAT	AD 390 TIONS SUI ME	589 MMARY	Time			Din	ection Supply Bo	Coord	24	Mud Cl	\$4,127	Cost	Status:		mulative C \$34,996	Cost
58 OPERAT	AD 390 TIONS SUI	TVI 589	90	1.7 Boats:	75 °		Supply Bo	Coord	24 linates	Mud Cl	\$4,127	Cost			mulative C \$34,996 URE	ost
OPERAT TI FROM 0600 1430	70NS SUI ME TO 1430	589 MMARY HOUR 8.5 0.5	Time Code 5	Boats: Frill from	n 5500' Rig	to 5723	Supply Bo Crew Bo	Coord boat Name: oat Name: ated LSN	24 linates D mud	Mud Cl	\$4,127	Cost	Status:	CLOS	mulative C \$34,996 URE	Cum.
OPERAT TH FROM 0600 1430 1500	ME TO 1430 1500 2300	589 MMARY HOUR 8.5 0.5 8.0	Time Code 5 17	Boats: Frill from Service Drill from	m 5500' Rig m 5723'	to 5723	Supply Bo Crew Bo ' with aen	Coord	24 linates D mud	Mud Cl	\$4,127	Cost	Status: Status: Activ	CLOS Time Su	mulative C \$34,996 URE	Cum. 16
OPERAT TI FROM 0600 1430	70NS SUI ME TO 1430	HOUR 8.5 0.5 8.0 0.5	Time Code 5 17 5	Boats: Frill from Service Drill from Survey	n 5500' ; Rig m 5723' - 5890' -	to 5723 to 5942 1.75 de	Supply Bo Crew Bo ' with aer	Coord pat Name: pat Name: ated LSN	24 linates D mud	Mud Cl	\$4,127	Cost	Status: Status: Activ 1. Mob/Del 2. Cernent	CLOS Time Su vity Mob	mulative C \$34,996 URE mmary Daily	Cum. 16 4.5
OPERAT TH FROM 0600 1430 1500 2300 2330 0230	ME TO 1430 1500 2300 2330 0300	589 MMARY HOUR 8.5 0.5 8.0	Time Code 5 17	Boats: Frill from Service Drill from Survey Drill from	n 5500' ; Rig m 5723' - 5890' -	to 5723 to 5942 1.75 de to 6033	Supply Bo Crew Bo ' with aer	Coord boat Name: oat Name: ated LSN	24 linates D mud	Mud Cl	\$4,127	Cost	Status: Status: Activ	Time Suvity	mulative C \$34,996 URE	Cum. 16
OPERAT THE FROM 0600 1430 1500 2300 2330	ME TO 1430 1500 2330 0230	HOUR 8.5 0.5 8.0 0.5 3.0	Time Code 5 17 5 20	Boats: Frill fror Service Drill fror Survey Drill fror Load ho	m 5500's Rig m 5723' - 5890' - m 5942' ble with f	to 5723 to 5942 1.75 de to 6033 luid	Supply Bo Crew Bo ' with aer ' with aer eg.	Coord pat Name: pat Name: ated LSN	D mud	Mud Cl	\$4,127	Cost	Status: Status: Activ 1. Mob/Del 2. Cernent 3. Circulate	Time Suvity	mulative C \$34,996 URE mmary Daily	Cum. 16 4.5
OPERAT TH FROM 0600 1430 1500 2300 2330 0230	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5	Boats: Frill fror Service Drill fror Survey Drill fror Load ho	m 5500's Rig m 5723' - 5890' - m 5942' ble with f	to 5723 to 5942 1.75 de to 6033 luid	Supply Bo Crew Bo ' with aer ' with aer eg.	coat Name: coat Name: cated LSN cated LSN	D mud	Mud Cl	\$4,127	Cost	Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pig	Time Su vity Mob all Work	mulative C \$34,996 URE mmary Daily	Cum. 16 4.5 16.5
OPERAT TH FROM 0600 1430 1500 2300 2330 0230	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5	Boats: Frill fror Service Drill fror Survey Drill fror Load ho	m 5500's Rig m 5723' - 5890' - m 5942' ole with f m 6033'	to 5723 to 5942 1.75 de to 6033 luid	Supply Bo Crew Bo ' with aer ' with aer eg.	coat Name: coat Name: cated LSN cated LSN	D mud	Mud Cl	\$4,127	Cost	Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pig 7. Fishing	Time Su vity Mob all Work	mulative C \$34,996 URE mmary Daily	Cum. 16 4.5 16.5
OPERAT TH FROM 0600 1430 1500 2300 2330 0230	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5	Boats: Frill fror Service Drill fror Survey Drill fror Load ho	m 5500' f Rig m 5723' - 5890' - m 5942' ble with f m 6033'	to 5723 to 5942 1.75 de to 6033 luid	Supply Bo Crew Bo ' with aer ' with aer eg.	coat Name: coat Name: cated LSN cated LSN	D mud	Mud Cl	\$4,127	Cost	Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pig	Time Suvity Mob all Work pe	mulative C \$34,996 URE mmary Daily	Cum. 16 4.5 16.5
OPERAT TH FROM 0600 1430 1500 2300 2330 0230	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5	Boats: Friil fror Service Drill fror Survey Drill fror Load hc Drill fror Show @ Cutler @	m 5500' f Rig m 5723' - 5890' - m 5942' ble with f m 6033'	to 5723 to 5942 1.75 de to 6033 luid to 6096	Supply Bo Crew Bo ' with aer ' with aer eg. ' with aer	coat Name: coat Name: cated LSN cated LSN	D mud	Mud Cl	\$4,127	Cost	Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pig 7. Fishing 8. OH Logg	Time Suvity Mob all Work pe	mulative C \$34,996 URE mmary Daily	Cum. 16 4.5 16.5
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5	Boats: Friil fror Service Drill fror Survey Drill fror Load hc Drill fror Show @ Cutler @ Projecte	m 5500's Rig m 5723' - 5890' - m 5942' ole with f m 6033' 0 5628' 0 6052' ed Penn	to 5723 to 5942 1.75 de to 6033 luid to 6096	Supply Bo Crew Bo ' with aer ' with aer eg. ' with aer	coat Name: coat Name: cated LSN cated LSN	D mud	Mud Cl	\$4,127	Cost	Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cm 11. N.U./ N	Time Su wity Mob all Work De	mulative C \$34,996 URE mmary Daily	Cum. 16 4.5 16.5 211.75 1.75 7.5
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5	Boats: Frill fror Service Drill fror Survey Drill fror Load ho Drill fror Cutler @ Projecte BGG = :	m 5500' Rig m 5723' - 5890' - m 5942' ble with fm 6033' 2) 5628' - 2) 6052' ed Penn	to 5723 to 5942 1.75 de to 6033 luid to 6096	Supply Bo Crew Bo ' with aer ' with aer eg. ' with LSI	cat Name: cat Name: ated LSN rated LSN rated LSN	D mud D mud	Mud Cl	\$4,127	Cost	Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cm 11. N.U./ N 12. P.U./L.I	Time Suvity Mob all Work Dee int./LOT .D. D. BHA	mulative C \$34,996 URE mmary Daily	Cum. 16 4.5 16.5 211.75
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5	Boats: Friil fror Service Drill fror Survey Drill fror Load hc Drill fror Show @ Cutler @ Projecte BGG = ?7	m 5500' Rig Rig m 5723' - 5890' - m 5942' ble with fim 6033' 2 5628' 2 6052' ed Penn 24 units	to 5723 to 5942 1.75 de to 6033 luid to 6096	Supply Bo Crew Bo ' with aer ' with aer eg. ' with aer ' with LSI	coat Name: coat Name: cated LSN cated LSN	D mud D mud	Mud Cl	\$4,127	Cost	Status: Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cn 11. N.U./ N 12. P.U./L.(1) 13. P.U./L.(1)	Time Suvity Mob all Work be int./LOT .D. D. BHA D. Pipe	mulative C \$34,996 URE mmary Daily	Cum. 16 4.5 16.5 211.75 1.75 7.5
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5	Boats: Friil fror Service Drill fror Survey Drill fror Load hc Drill fror Show @ Cutler @ Projecte BGG = ?7	m 5500' fin 5500' fin 5500' fin 5723' fin 5942' fin 6033' fin 6033' fin 6032' fin 6032' fin 6032' fin 6032' fin 6032' fin 6032' fin 6052	to 5723 to 5942 1.75 de to 6033 luid to 6096	Supply Bo Crew Bo ' with aer ' with aer eg. ' with aer ' with LSI	cat Name: cat Name: ated LSN rated LSN rated LSN	D mud D mud	Mud Cl	\$4,127	Cost	Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cm 11. N.U./ N 12. P.U./L.I	Time Suvity Mob anal Work De c D. BHA D. Pipe	mulative C \$34,996 URE mmary Daily	Cum. 16 4.5 16.5 211.75 1.75 7.5
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5	Boats: Frill fror Service Drill fror Survey Drill fror Load ho Drill fror Show @ Cutler @ Projecte BGG = ?7 GG = 22 DG = 13	m 5500' Rig m 5723' - 5890' - m 5942' ble with f m 6033' 0 5628' 0 6052' ed Penn 24 units c Got bul 4 units c	to 5723 to 5942 1.75 de to 6033 luid to 6096 SS @ 6	Supply Bo Crew Bo ' with aer ' with aer ' with LSI ' with LSI	cat Name: cat Name: ated LSN rated LSN rated LSN D mud.	D mud D mud	Mud CI	\$4,127	DL	Status: Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cm 11. N.U./ N 12. P.U./L.I 13. P.U./L.I 14. R/U; R/ 15. Rig Rei 16. Run Ca	Time Suvity Mob al Work be cD. D. BHA D. Pipe D. Dair ssing	mulative C \$34,996 URE mmary Daily 0.5	Cum. 16 4.5 16.5 211.75 1.75 7.5 5.25
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5 3 5	Boats: Frill fror Service Drill fror Survey Drill fror Load ho Drill fror Show @ Cutler @ Projecte BGG = 22 DG = 13	m 5500's Rig m 5723' - 5890' - m 5942' ble with f m 6033' 0 5628' 0 6052' ed Penn 24 units c 30 units o large in	to 5723 to 5942 1.75 de to 6033 luid to 6096 SS @ 6	Supply Bo Crew Bo ' with aer eg. ' with LSI 6682' at unable G	cat Name: cat Name: ated LSN rated LSN rated LSN nD mud.	D mud D mud	Mud CI	sted mud	DL	Status: Status: Status: 1. Mob/Del 2. Cement 3. Circulate 4. Directior 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cn 11. N.U./ N 12. P.U./L.I 13. P.U./L.I 14. R/U; R/ 15. Rig Rep 16. Run Ca 17. Service	Time Suvity Mob all Work per ant./LOT D. BHA D. Pipe Doair ssing Rig	mulative C \$34,996 URE mmary Daily	Cum. 16 4.5 16.5 211.75 1.75 7.5 5.25
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5 3 5	Boats: Frill fror Service Drill fror Survey Drill fror Load hc Drill fror Show @ Cutter @ Projecte BGG = :7 GG = 24 DG = 13 * Due to an approximate the property of the pr	m 5500' Rig m 5723' - 5890' - m 5942' ble with f m 6033' 0 5628' 0 6052' ed Penn 24 units c 30 units o large ir	to 5723 to 5942 1.75 de to 6033 luid to 6096 SS @ 6	Supply Bo Crew Bo ' with aer eg. ' with aer eg. ' with LSI se682'	cat Name: cat Name: ated LSN rated LSN rated LSN rated LSN rated LSN no mud.	D mud D mud D mud	Mud CI	ated mud formation	DL	Status: Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cn 11. N.U./ N 12. P.U./L.I 13. P.U./L.I 14. R/U; R/ 15. Rig Rep 16. Run Ca 17. Service 18. Sidetrae	Time Suvity Mob anal Work be c. D. BHA D. Pipe D Dair sing Rig ck Op.	mulative C \$34,996 URE mmary Daily 0.5	Cum. 16 4.5 16.5 211.75 1.75 7.5 5.25
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5 3 5	Boats: Frill fror Service Drill fror Survey Drill fror Load hc Drill fror Show @ Cutter @ Projecte BGG = : TG = ?? CG = 22 DG = 13 * Due to an approvater. If water to	m 5500's Rig m 5723' - 5890'- m 5942' ble with f m 6033' 0 5628' 0 6052' ed Penn 24 units c 30 units o large in oximate Filled res	to 5723 to 5942 1.75 de to 6033 luid to 6096 SS @ 6 bble, bu over BG	Supply Bo Crew Bo Crew Bo ' with aer eg. ' with aer eg. ' with LSI of G682' at unable eg. ' with LSI of G682	cat Name: cat Name: ated LSN rated L	D mud D mud D mud iile drilling	with aera basically oved movith rig, de-	ated mud formation ring excession ma	DL. with s de	Status: Status: Status: 1. Mob/Del 2. Cement 3. Circulate 4. Directior 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cn 11. N.U./ N 12. P.U./L.I 13. P.U./L.I 14. R/U; R/ 15. Rig Rep 16. Run Ca 17. Service	Time Suvity Mob anal Work be c. D. BHA D. Pipe D Dair sing Rig ck Op.	mulative C \$34,996 URE mmary Daily 0.5	Cum. 16 4.5 16.5 211.75 1.75 7.5 5.25
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5 3 5	Boats: Frill fror Service Drill fror Survey Drill fror Load hc Drill fror Show @ Cutler @ Projecte TG = ?? CG = 2² DG = 13 * Due to an approvater. F water to to contin	m 5500's Rig m 5723' - 5890' - m 5942' ble with f m 6033' 0 5628' 0 6052' ed Penn 24 units c 30 units o large in oximate Filled researcher	to 5723 to 5942 1.75 de to 6033 luid to 6096 SS @ 6 bble, bu over BG	Supply Bo Crew Bo Crew Bo ' with aer eg. ' with aer eg. ' with LSI of G682' at unable eg. ' with LSI of G682	cat Name: cat Name: ated LSN rated L	D mud D mud D mud iile drilling	with aera basically oved movith rig, de-	ated mud formation	DL. with s de	Status: Status: Activ 1. Mob/Def 2. Cement 3. Circulate 4. Directior 5. Drilling 6. Drive Pig 7. Fishing 8. OH Logg 9. Lost Circ 11. N.U./ N 12. P.U./L.1 13. P.U./L.1 14. R/U; R/ 15. Rig Ref 16. Run Ca 17. Service 18. Sidetra 19. Stuck P	Time Suvity Mob anal Work be c. D. BHA D. Pipe D Dair sing Rig ck Op.	mulative C \$34,996 URE mmary Daily 0.5 22.5	Cum. 16 4.5 16.5 211.75 7.5 5.25 19 2 5
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5 3 5	Boats: Frill fror Service Drill fror Survey Drill fror Load hc Drill fror Show @ Cutter @ Projecte BGG = : TG = ?? CG = 22 DG = 13 * Due to an approvater. If water to	m 5500's Rig m 5723' - 5890' - m 5942' ble with f m 6033' 0 5628' 0 6052' ed Penn 24 units c 30 units o large in oximate Filled researcher	to 5723 to 5942 1.75 de to 6033 luid to 6096 SS @ 6 bble, bu over BG	Supply Bo Crew Bo Crew Bo ' with aer eg. ' with aer eg. ' with LSI of G682' at unable eg. ' with LSI of G682	cat Name: cat Name: ated LSN rated L	D mud D mud D mud iile drilling	with aera basically oved movith rig, de-	ated mud formation ring excession ma	DL. with s de rip	Status: Status: Activ 1. Mob/Def 2. Cement 3. Circulate 4. Directior 5. Drilling 6. Drive Pig 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cn 11. N.U./ N 12. P.U./L.I 13. P.U./L.I 14. R/U; R/ 15. Rig Reg 16. Run Ca 17. Service 18. Sidetra 19. Stuck P 20. Survey 21. Trips 22. Tst. BO	Time Suvity Mob and Work per and Work D. BHA D. Pipe Doair sing Rig ck Op.	mulative C \$34,996 URE mmary Daily 0.5 22.5	Cum. 16 4.5 16.5 211.75 7.5 5.25 19 2 5 18 8.25
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5 3 5	Boats: Frill fror Service Drill fror Survey Drill fror Load hc Drill fror Show @ Cutler @ Projecte TG = ?? CG = 2² DG = 13 * Due to an approvater. F water to to contin	m 5500's Rig m 5723' - 5890' - m 5942' ble with f m 6033' 0 5628' 0 6052' ed Penn 24 units c 30 units o large in oximate Filled researcher	to 5723 to 5942 1.75 de to 6033 luid to 6096 SS @ 6 bble, bu over BG	Supply Bo Crew Bo Crew Bo ' with aer eg. ' with aer eg. ' with LSI of G682' at unable eg. ' with LSI of G682	cat Name: cat Name: ated LSN rated L	D mud D mud D mud iile drilling	with aera basically oved movith rig, de-	ated mud formation ring excession ma	DL. with s de rip	Status: Status: Activ 1. Mob/Def 2. Cement 3. Circulate 4. Directior 5. Drilling 6. Drive Pig 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cn 11. N.U./ N 12. P.U./L.I 13. P.U./L.I 14. R/U; R/ 15. Rig Reg 16. Run Ca 17. Service 18. Sidetra 19. Stuck P 20. Survey 21. Trips 22. Tst. BO 23. UR/HO	Time Su wity Mob anal Work Deair D. BHA D. Pipe Doair sing Rig ck Op.	mulative C \$34,996 URE mmary Daily 0.5 22.5	Cum. 16 4.5 16.5 211.75 7.5 5.25 19 2 5 18 8.25 11.5
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5 3 5	Boats: Frill fror Service Drill fror Survey Drill fror Load hc Drill fror Show @ Cutler @ Projecte TG = ?? CG = 2² DG = 13 * Due to an approvater. F water to to contin	m 5500's Rig m 5723' - 5890' - m 5942' ble with f m 6033' 0 5628' 0 6052' ed Penn 24 units c 30 units o large in oximate Filled researcher	to 5723 to 5942 1.75 de to 6033 luid to 6096 SS @ 6 bble, bu over BG	Supply Bo Crew Bo Crew Bo ' with aer eg. ' with aer eg. ' with LSI of G682' at unable eg. ' with LSI of G682	cat Name: cat Name: ated LSN rated L	D mud D mud D mud iile drilling	with aera basically oved movith rig, de-	ated mud formation ring excession ma	DL. with s de rip	Status: Status: Activ 1. Mob/Def 2. Cement 3. Circulate 4. Directior 5. Drilling 6. Drive Pig 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cn 11. N.U./ N 12. P.U./L.I 13. P.U./L.I 14. R/U; R/ 15. Rig Reg 16. Run Ca 17. Service 18. Sidetra 19. Stuck P 20. Survey 21. Trips 22. Tst. BO 23. UR/HO 24. W.O.W	Time Su wity Mob anal Work Dee cht./LOT .D. D. BHA D. Pipe D. Dair ssing Rig ck Op.	mulative C \$34,996 URE mmary Daily 0.5 22.5	Cum. 16 4.5 16.5 211.75 7.5 5.25 19 2 5 18 8.25 11.5 4
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5 3 5	Boats: Frill fror Service Drill fror Survey Drill fror Load hc Drill fror Show @ Cutler @ Projecte TG = ?? CG = 2² DG = 13 * Due to an approvater. F water to to contin	m 5500's Rig m 5723' - 5890' - m 5942' ble with f m 6033' 0 5628' 0 6052' ed Penn 24 units c 30 units o large in oximate Filled researcher	to 5723 to 5942 1.75 de to 6033 luid to 6096 SS @ 6 bble, bu over BG	Supply Bo Crew Bo Crew Bo ' with aer eg. ' with aer eg. ' with LSI of G682' at unable eg. ' with LSI of G682	cat Name: cat Name: ated LSN rated L	D mud D mud D mud iile drilling	with aera basically oved movith rig, de-	ated mud formation ring excession ma	DL. with s de rip	Status: Status: Activ 1. Mob/Def 2. Cement 3. Circulate 4. Diriction 5. Drilling 6. Drive Pig 7. Fishing 9. Lost Circ 10. Drill Cn 11. N.U./N 12. P.U./L.I 13. P.U./L.I 14. R/U; R/ 15. Rig Ref 16. Run Ca 17. Service 18. Sidetra 19. Stuck P 20. Survey 21. Trips 22. Tst. BO 23. UR/HO 24. W.O.W. 25. Wash & 26. Well Co	Time Suvity Mob anal Work be c. D. BHA D. Pipe D Dair ssing Rig ck Op. Pipe	mulative C \$34,996 URE mmary Daily 0.5 22.5	Cum. 16 4.5 16.5 211.75 7.5 5.25 19 2 5 18 8.25 11.5
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5 3 5	Boats: Frill fror Service Drill fror Survey Drill fror Load hc Drill fror Show @ Cutler @ Projecte TG = ?? CG = 2² DG = 13 * Due to an approvater. F water to to contin	m 5500's Rig m 5723' - 5890' - m 5942' ble with f m 6033' 0 5628' 0 6052' ed Penn 24 units c 30 units o large in oximate Filled researcher	to 5723 to 5942 1.75 de to 6033 luid to 6096 SS @ 6 bble, bu over BG	Supply Bo Crew Bo Crew Bo ' with aer eg. ' with aer eg. ' with LSI of G682' at unable eg. ' with LSI of G682	cat Name: cat Name: ated LSN rated L	D mud D mud D mud iile drilling	with aera basically oved movith rig, de-	ated mud formation ring excession ma	DL. with s de rip	Status: Status: Activ 1. Mob/Def 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pig 7. Fishing 9. Lost Circ 10. Drill Cn 11. N.U./ N 11. N.U./ N 15. Rig Ref 16. Run Ca 17. Service 18. Sidetra 19. Stuck P 20. Survey 21. Trips 22. Tst. BO 23. UR/HO 24. W.O.W 25. Wash & 26. Well Co 27. WOC	Time Suvity Mob anal Work be c. D. BHA D. Pipe D Dair ssing Rig ck Op. Pipe	mulative C \$34,996 URE mmary Daily 0.5 22.5	Cum. 16 4.5 16.5 211.75 1.75 7.5 5.25 19 2 5 18 8.25 11.5 4
OPERAT TI FROM 0600 1430 1500 2300 2330 0230 0300	ME TO 1430 1500 2300 2330 0300	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5 3 5	Boats: Frill fror Service Drill fror Survey Drill fror Load hc Drill fror Show @ Cutler @ Projecte TG = ?? CG = 2² DG = 13 * Due to an approvater. F water to to contin	m 5500's Rig m 5723' - 5890' - m 5942' ble with f m 6033' 0 5628' 0 6052' ed Penn 24 units c 30 units o large in oximate Filled researcher	to 5723 to 5942 1.75 de to 6033 luid to 6096 SS @ 6 bble, bu over BG	Supply Bo Crew Bo Crew Bo ' with aer eg. ' with aer eg. ' with LSI of G682' at unable eg. ' with LSI of G682	cat Name: cat Name: ated LSN rated L	D mud D mud D mud iile drilling	with aera basically oved movith rig, de-	ated mud formation ring excession ma	DL. with s de rip	Status: Status: Activ 1. Mob/Def 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pig 7. Fishing 9. Lost Circ 10. Drill Cn 11. N.U./ N 11. N.U./ N 12. P.U./L.1 13. P.U./L.1 14. R/U; R/ 15. Rig Ref 16. Run Ca 17. Service 18. Sidetra 19. Stuck P 20. Survey 21. Trips 22. Tst. BO 23. UR/HO 24. W.O.W. 25. Wash & 26. Well Co 27. WOC 28. Other	Time Suvity Mob anal Work be c. D. BHA D. Pipe D Dair ssing Rig ck Op. Pipe	mulative C \$34,996 URE mmary Daily 0.5 22.5	Cum. 16 4.5 16.5 211.75 1.75 7.5 5.25 19 2 5 18 8.25 11.5 4
M 56 OPERAT THE FROM 0600 1430 1500 2300 2330 0230 0300	MD 990 TONS SUI ME 1430 1500 2300 2330 0230 0300 0600	HOUR 8.5 0.5 8.0 0.5 3.0 0.5	Time Code 5 17 5 20 5 3 5	Boats: Frill fror Service Drill fror Survey Drill fror Load ho Drill fror Show @ Cutler @ Projecte BGG = 27 GG = 22 DG = 13 * Due to an approvate to conting for a new	m 5500's Rig m 5723's - 5890's m 5942' ble with f m 6033' 2 5628' 2 6052' ed Penn 24 units c 30 units o large in oximate Filled res in another nue drillin w bit.	to 5723 to 5942 1.75 de to 6033 luid to 6096 SS @ 6 bble, buover BG nflux of 6.0 ppg served pres	Supply Bo Crew Bo ' with aerieg. ' with Si ' with LSI ' with LSI of tunable of the Comment of ECD, might to top.	coat Name: bat Name: ated LSN rated LSN rated LSN rated LSN rated LSN rated LSN ND mud. to read to read a water wh ud system Jack Sta After cou ud and no	D mud D mud D mud iile drilling	with aera basically oved movith rig, de-	ated mud formation ring excession ma	DL. with s de rip	Status: Status: Activ 1. Mob/Def 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pig 7. Fishing 9. Lost Circ 10. Drill Cn 11. N.U./ N 11. N.U./ N 15. Rig Ref 16. Run Ca 17. Service 18. Sidetra 19. Stuck P 20. Survey 21. Trips 22. Tst. BO 23. UR/HO 24. W.O.W 25. Wash & 26. Well Co 27. WOC	Time Suvity Mob anal Work be c. D. BHA D. Pipe D Dair ssing Rig ck Op. Pipe	mulative C \$34,996 URE mmary Daily 0.5 22.5	Cum. 16 4.5 16.5 211.75 1.75 7.5 5.25 19 2 5 18 8.25 11.5 4
OPERAT THE FROM 0600 1430 1500 2300 2330 0230 0300 Total I Rig Dow	MD 990 TONS SUI ME 1500 2300 2330 0230 0300 0600	TVI 589 MMARY HOUR 8.5 0.5 8.0 0.5 3.0 0.5 3.0 24.0	Time Code 5 17 5 20 5 3 5 5	Boats: Frill fror Service Drill fror Survey Drill fror Load ho Drill fror Show @ Cutler @ Projecte BGG = : TG = ?? CG = 22 DG = 13 * Due to an approvater to to contir for a new	m 5500's Rig m 5723's - 5890's m 5942's ble with f m 6033' 2 6052's d Penn 24 units c 30 units o large in oximate Filled resion another nue drilling w bit.	to 5723 to 5942 1.75 de to 6033 luid to 6096 SS @ 6 bble, bu over BG nflux of 6.0 ppg served p well' re ng with	Supply Bo Crew Bo ' with aeri ' with aeri ' with LSI ' with LSI ' with LSI of the LSI of the LSI serve pit LSND mu	coat Name: bat Name: ated LSN rated LSN rated LSN rated LSN rated LSN rated LSN ND mud. to read to read a water wh ud system Jack Sta After cou ud and no	D mud D mud D mud D mud bille drilling n became nley appr	y with aera basically over moving the rig, decistage in h	ated mud formation ring exces cision ma note after t	with selections of the selection of the	Status: Status: Status: Activ 1. Mob/Def 2. Cement 3. Circulate 4. Directior 5. Drilling 6. Drive Pip 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cn 11. N.U./ N 12. P.U./L.I 13. P.U./L.I 14. R/U; R/ 15. Rig Rep 16. Run Ca 17. Service 18. Sidetrae 19. Stuck P 20. Survey 21. Trips 22. Tst. BO 23. UR/HO 24. W.O.W. 25. Wash & 26. Well Co 27. WOC 27. WOC 28. Other Total	Time Suvity Mob all Work De all Work D. D. BHA D. Pipe Doair Ising Rig ck Op. Ps Ream Introl	mulative C \$34,996 URE mmary Daily 0.5 22.5 0.5 24	Cum. 16 4.5 16.5 211.75 1.75 7.5 5.25 19 2 5 18 8.25 11.5 4
OPERAT OPERAT FROM 0600 1430 1500 2300 0230 0300	MD 990 TONS SUI ME 1500 2300 2330 0230 0300 0600	TVI 589 MMARY HOUR 8.5 0.5 8.0 0.5 3.0 0.5 3.0 0.5 3.0 Daily	Time Code 5 17 5 20 5 3 5	Boats: Frill fror Service Drill fror Survey Drill fror Load ho Drill fror Show @ Cutler @ Projecte BGG = : TG = ?? CG = 24 DG = 13 * Due to an approvater. If water to to contin for a new	m 5500' Rig m 5723' - 5890' - m 5942' ble with f m 6033' 0 5628' 0 6052' ed Penn 24 units c 30 units o large in oximate Filled rese another nue drillin w bit.	to 5723 to 5942 1.75 de to 6033 luid to 6096 SS @ 6 bble, buover BG nflux of 6.0 ppg served pres	Supply Bo Crew Bo ' with aeri ' with aeri ' with LSI ' with LSI ' with LSI of the LSI of the LSI serve pit LSND mu	coat Name: bat Name: ated LSN rated LSN rated LSN rated LSN rated LSN rated LSN ND mud. to read to read a water wh ud system Jack Sta After cou ud and no	D mud D mud D mud mud mud mud mud mud mud mud	with aera basically oved movith rig, de-	ated mud formation ring exces cision ma note after t	DL with s de rip	Status: Status: Status: Activ 1. Mob/Del 2. Cement 3. Circulate 4. Directior 5. Drilling 6. Drive Pig 7. Fishing 8. OH Logg 9. Lost Circ 10. Drill Cn 11. N.U./ N 12. P.U./L. I 13. P.U./L. I 14. R/U; R/ 15. Rig Reg 16. Run Ca 17. Service 18. Sidetra 19. Stuck P 20. Survey 21. Trips 22. Tst. BO 23. UR/HO 24. W.O.W. 25. Wash & 26. Well Co 27. WOC 28. Other Total	Time Suvity Mob all Work pe int./LOT D. BHA D. Pipe Doair sing Rig ck Op. lipe Ps Ream introl	mulative C \$34,996 URE mmary Daily 0.5 22.5 0.5 0.5	Cum. 16 4.5 16.5 211.75 1.75 7.5 5.25 19 2 5 18 8.25 11.5 4





111	EDCI 11	LCS							
	Block	c. Lease and Well I	No.	Contract Rig	DOL	DES	Date on Location		Report Date
ł	N. Thon	pson - State MSC	#16-1	Union #7	36	15	4/27/2004	May 18, 2004	Jun 2, 2004
MD	TVD	Footage	AFE No.	AFE Amount	Auth. TD.		Company Reg	presentative	
6.883	6,883	418		\$600,000		7,700'		Carl Hulslander	
-		Present Operat	ion	Rig Phone:	(4	35) 220-09	999 Toolp	usher	
		Drilling		Rig Fax:	(254) 460-249	0 (alt)	Conrad Tonney	

		pson - Stat					Union #7		36	15	4/27/2	v Repres	May 18	, 2004	Jun 2,	2004
<u>MD</u> 5,883	<u>TVD</u> 6,883	Foota 418	<u>ge</u>	AFE	<u>No.</u>	_	FE Amou \$600,000		Auth. TD.	7,700'	Compan		arl Hulsland	er .		
,003	0,003		Operation	on.			Rig Phone			35) 220-099		Toolpush				
		Di	rilling				Rig Fax:		(254)	460-2490	(alt)	C	onrad Tonne	у		
		5015	1.d-14		NPDES		People	on Loc :		Last BOP	Test Date			RIG ELEV	ATIONS	
urrent Vind:	Weather	DONR	VISIT NO		Sample	Date	Ope				5/19/2004		RKB			ft
Seas:		Problem?	Yes	1277			Contr	actor		Next BOP	Test Date		Water Depti	1		ft
Sky:			☐ No	Pass?	Yes	No	Ser	vice		L			RKB-CHF			11.
	RECORD Casing Strin	o l	QO	Wt.	Grade	Conn.	Jts.	Run	Setting	Depth	Liner	Тор	MW when		LOT	
,	Jaanig Oui	9							MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
onducto	or		16"	24	LP J55	W_STC		2	100' 505'	100' 505'			Air			····
ırface			8 5/8"	24	100	310	· · · · · · ·		500							
												_				
				· · · · · · · · · · · · · · · · · · ·							ļ					
	GHT, SPE			ICS REC	CORD				Total			Γ	Avg	1	Grade	
BIT No	Size	Bit Type Manufa		Serial	Number	J	ets	Depth in	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
5	7 7/8	Hughes I	IX-\$20	50395	521	13,	14,14	6,230'	653'	34	35/40	80	19.2	 		
D# D	marks:			<u> </u>		<u> </u>	Cum. R	OT. Hrs	PU	Wt	so	Wt	RO	r Wt	Tor	que
BILL	marks,							7.75		36	1:	32	1:	34	Dump Pros	CUITOR
ump	Carelin	V Linns	Output	SPM	GPM	Pro	ssure	JV	Pb	A	V	Speed	SPM	Pump #1	Pump Pres Pump #2	Pump #
No.	Stroke	X Liner	gps	J. WI	J					DC	DP	1/4	46	210		
1		x 6	3.15	117	375	1	300			350	218	3/4	50 83	350 650		
2 HA	14:	¢ 5.5	4.37	66	950	<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>			
ength:	517.46	Descri	ption:	7 7/8" b	it (1'), bit	sub (3.4	0'), 10 - 6.	25* DC (3	08.49'), Ja	rs (29.13),	6 - 6.25" [DC (174.4	4')			
UD D	(† A															
ים סטוי	WT.	VIS	PV	YP	GELS	WL	НТНР	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	рН	Pm	Pf/Mf
ΊŤ	9.0	36	9	8	4/9	6.8		2	3.8			0.25		9.5		.2/.3
				<u> </u>	<u> </u>	<u> </u>	L	<u></u>	<u> </u>	<u> </u>	<u> </u>	<u>i</u>	<u> </u>	1	L	<u> </u>
		<u> </u>	τ –		Smpl	F.L.	Γ	 	т —				T			
		orides		a++	Temp	Temp		Screens			/lud Engin	eer		<u> </u>	lud Compa	iny
ग	16	500		60	106	106	#1 180	#2	Desand	Cent.	4	Bill Mille	er er		Anchor	
					ــــــــــــــــــــــــــــــــــــــ		#3	#4	Desilt	Mud Cl	A STREET, SQUARE, SQUA	y Cost		Cı	umulative C \$48,936	Cost
									18	1	\$4,317				\$40,530	
	MD		/D	T AI	NGLE	Dir	rection	Coor	dinates	1 '	vs_	DL		CLOS	SURE	
										I	ļ		+			
OBERA	TIONS SU	MMARY				ــــــــــــــــــــــــــــــــــــــ			<u> </u>		<u> </u>					
	TIME	I I	Time	Boats:				Boat Name					Status:			
FROM		HOUR	Code					Boat Name):				Status:	Time S	ummary	
0600		2.0 0.5	5 17	Drilling Service	g from 64	165' to 6	498'						H Ac	tivity	Daily	Cum.
0830		21.5	5		g from 64	196' to 6	883'		1				1. Mob/D	eMob		16
	+	21.5	tŤ										2. Cemer			4.5
													3. Circula		ļ	31.5
													Directi Drilling	onal Work	23.5	251.2
	+	<u> </u>					_						6. Drive I		-20.5	1
			+	╂									7. Fishin			
	+	 		1									8. OH Lo		1	
													9. Lost C		-	1.75
		ļ	1	_				···					10. Drill (Cmt./LOT	-	7.5
		 	+											L.D. BHA	 	5.25
	-	 	+	+			_			· · · · ·				L.D. Pipe		
	 	 	+	1-									14. R/U;	R/D		
			1										15. Rig F			22.5
													16. Run		0.5	6
				<u> </u>									17. Serv	ice Rig track Op.	0.5	+ *
		ļ		 									19. Stuc		+	18
-		 	+	+									20. Surv			8.7
	+	1	 	1									21. Trips	1		21
	1												22. Tst.			4
									بر ساد	-11.2			23. UR/H		 	+
			ļ	1_					YEU	EIVE	·U		24. W.O	.W. h & Ream	+	4.5
		 		-					חבי י	1 0 00	n		26. Well		+	+
									UEL	3 200	/1		27. WO			6
4		 		+									28. Othe		1	4.5
		1														

DIV. OF OIL, GAS & MINING

\$499,108 \$20,399 \$519,507

Previous Cost Daily Cost Cum. Cost

Bulk Material on Board Cement: Barite:

Rig Downtime



MSC Exploration

IT	Tech Serv	nology ices				Da	aily Drill	ing l	Repo	ort					···
	Bloc	k. Lease ar	nd Well N	lo.			Contract Rig	DOL	DFS	Date on	_ocation	Spud	<u>Jate</u>	_	ort Date
	N. Tho	mpson - Sta	te MSC	#16-1			Union #7	35	14.	4/27/	2004	May 18,	2004	Jun '	1, 2004
MD	TVD	Foota	age	AFE	No.		AFE Amount	Auth. TD.		Compar	ny Repres	entative			
6,465	6,465	235	 i				\$600,000		7,700	ļ	C	arl Hulslande	r		
		Presen	t Operation	on		-	Rig Phone:	(4:	35) 220-09	99	Toolpush	er			-
	Drilling						Rig Fax:	(254	460-2490	(alt)	C	Conrad Tonne	у		
Current	Weather	DONR	Visit		NPDES		People on Loc.:		Last BOP	Test Date			RIG ELE	/ATIONS	
Wind:		Yes	No	LC50	Sample	Date	Operator			5/19/2004		RKB		15	ft
Seas:		Problem?	Yes				Contractor		Next BOP	Test Date		Water Depth			ft
Sky:			No	Pass?	Yes	No	Service	1		The second secon		RKB-CHF			ft
	RECORD			<u> </u>											
	Casing Str	ing	ÖD	Wt.	Grade	Conn.	Jts. Run	Setting	Depth	Liner	Тор	MW when		LOT	
	•	-		l	}			MD	TVD	MD I	TVD	Run	Pres	EMW	Leakof

Casing String	ÖD	Wt.	Grade	Conn.	Jts. Run	Setting	Depth	Line	Тор	MW when		LOT	
			1	l 1		MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor	16"		LP	W		100'	100'						
Surface	8 5/8"	24	J55	STC	12	505'	505'			Air		ļ	
			 	 					ļ				
			ļ			ļ						<u> </u>	ļ
BIT, WEIGHT, SPEED AN				<u> </u>		<u> </u>		<u> </u>	<u> </u>	<u> </u>		<u> </u>	L

BIT		Bit Typ	e and						Total				Avg		Grade	
No	Size	Manufa	cturer	Serial I	Number		ets	Depth In	Footage	Hrş	WOB	Rpm	ROP	Tooth	Bearing	Gage
5	7 7/8	Hughes	HX-S20	50395	521	13,	14,14	6,230'	235'	10 1/2	40	85	22.4			
Bit Re	marks:						Cum. F	OT. Hrs		Wt		Wt	RO	Wt	Тог	que
Pump No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure	٦V	Pb	A		Speed	SPM		Pump Pres Pump #2	
			gps							DC	DP	1/4	46	260		
1		x 6	3.15	117	1250		350			347	216	1/2	50	350		
2	14	x 5.5	4.37	66	950							3/4	77	680		

BHA				
Length:	517.46	Description:	7 7/8" bit (1'), bit sub (3.40'), 10 - 6.25" DC (308.49'), Jars (29.13), 6 - 6.25" DC (174.44')	
				

	WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	мвт	Нα	Pm	Pf/Mf
							-				OIL 70		11101			
PIT	8.8	36	8	7	3/5	8.8		2	2.4	97.6		tr		9		.1/.3
		ļ	1					Ì								
					Smpl	F.L.										
	Chlo	orides	Ca	++	Temp	Temp		Screens	Ho	urs M	ud Engine	er		M	lud Compa	٦у
PIT	17	000	8	0	102	102	#1	#2	Desand	Cent.						
							180			24		Bill Miller			Anchor	
							#3	#4	Desilt	Mud CI	Daily	Cost			mulative C	ost
									24		\$8,010	**			\$44,619	

MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLOSURE
6382	6382	2.00 °					

	ME		Time	Boats:	Supply Boat Name:			Status:		
FROM	TO	HOUR	Code		Crew Boat Name:		-	Status:		
0600	1230	6.5	3	Circulate and c	ondition mud @ 3800', 36 visc	., 8.8 ppg, 8% LCM		Time Su	mmary	
1230	1330	1.0	21	GIH to 4850'				Activity	Daily	Cum.
1330	1600	2.5	3	Circulate and c	ondition mud @ 4850'. Seepa	ge stopped, 25 bbl lost.		1. Mob/DeMob		16
1600	1700	1.0	21	GIH to 6115'. I	Hit bridge.			2. Cement		4.5
1700	1900	2.0	25	Wash and rean	n from 6115' to 6230'			3. Circulate	9	31.5
1900	0400	9.0	. 5	Drilling from 62	30' to 6435'			4. Directional Work		
0400	0430	0.5	20	Survey @ 6382	2' - 2 deg.			5. Drilling	10.5	227.75
0430	0600	1.5	5	Drilling from 64	35' to 6465'	•		6. Drive Pipe		
								7. Fishing		
								8. OH Logging		
				,				9. Lost Circ.		
				No shows.				10. Drill Cmt./LOT		1.75
				Projected - Pen	n SS - 6682'			11. N.U./ N.D.		7.5
								12. P.U./L.D. BHA		5.25
								13. P.U./L.D. Pipe		
				BGG = 4 units				14. R/U; R/D		
				TG = 10 units @	2) 6230'			15. Rig Repair		22.5
				CG = 3-5 units	over BGG			16. Run Casing		2
				DG = nil units				17. Service Rig		5.5
								18. Sidetrack Op.		
								19. Stuck Pipe		18
								20. Survey	0.5	8.75
								21. Trips	2	21
								22. Tst. BOPs		4
								23. UR/HO		
								24. W.O.W.		
								25. Wash & Ream	2	4.5
								26. Well Control		
								27. WOC		6
								28. Other		4.5
								Total	24	391
	Hours	24.0								
Rig Do Daily	wntime	Daile	Fuel U		Bulk Material on Board		Previous			
Cum.	22.5 hrs	Daily Cum	103	14 Gals 330 Gals	Cement: Barite;	sx sx	Daily Cos Cum. Cos			
			100	Caio	Durko.	33	Cum. Cos	st \$499	,108	





	POGLAT	ces								
	Bloc	k. Lease and Well N	lo.	Contract Rig	DOL	DFS	Date on	Location	Soud Date	Report Date
	N. Thon	npson - State MSC	#16-1	Union #7	38	17	4/27/	2004	May 18, 2004	Jun 4, 2004
MD	TVD	Footage	AFE No.	AFE Amount	Auth. TD.		Compa	ny Represe	entative	
7,522	7,522	310		\$600,000		7,700'		Ca	arl Hulslander	
 		Present Operati	on	Rig Phone:	(4:	35) 220-09	99	Toolpushe	T.	
l l		POOH for wash	out	Rig Fax:	(254) 460-2490) (alt)	C	onrad Tonney	

Mile	Biock, Lease and Well No. N. Thompson - State MSC #16-1			Contract Rig Union #7		<u>DOL</u> 38	<u>DFS</u> 17	Date on 1 4/27/2		Soud I May 18		Report Jun 4,					
Parent Deciration Parent Deciration Pare Deciration Pare Deciration Pare Deciration Pare Deciration Pare Deciration Deciration Pare Deciration Pare Deciration Pare Deciration Pare Deciration Parent Deciration Parent Deciration Parent Deciration Parent Deciration Parent Deciration Parent Deciration Parent Deciration Parent Deciration Parent Deciration Parent Deciration Parent Deciration Parent Deciration Parent Deciration Parent Deciration Parent Deciration Parent Deciration	MD					No.	- 4	AFE Amou	unt				v Repres	entative		0011 4,1	
Property Property	7,522	7,522				1				(43		00			or		
Very No				_				_	v.	•	-		• • • • • • • • • • • • • • • • • • • •		у		
Windows	Surrant V	Monther I	DONE	Vielt		NPDES		People	on Loc.:	17	Last BOP	Test Date			RIG ELEV	ATIONS	
Sease	Converse of	vealiter					Date							RKB			
Section Company Comp	Seas:		Problem?								Next BOP	Test Date			1		
Cating String				No	Pass?	Yes	∐ No	Sec	rvice	11				KK8-CHF		!	
MD TVD MD TVD Run Pres EMW Leaked Leake			no	OD	Wt.	Grade	Conn.	Jts.	Run	Setting	Depth	Liner	Тор	MW when			
		23119 0111	19							MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
		7							10					Δir			
Bit Type and Marketure Seriel Number Jets Depth Foologe Hrs WOB Right ROP Tool Seeing Gage	urface			8 5/8"	24	J55	SIC			505_	303						
Bit Type and Marketure Seriel Number Jets Depth Foologe Hrs WOB Right ROP Tool Seeing Gage																	
Bit Type and Marketure Seriel Number Jets Depth Foologe Hrs WOB Right ROP Tool Seeing Gage																	
Bit Type and Marketure Seriel Number Jets Depth Foologe Hrs WOB Right ROP Tool Seeing Gage																	
Size Manufacture Size Manufacture Size Manufacture Size Manufacture Size	IT, WEI	GHT, SPE			ICS RE	CORD				1 = 1.				L Ava		Grade	
No State		Sizo			Serial	Number		lets	Depth In		Hrs	wob	Rpm		Tooth		Gage
Bit Remarks												35	85	16.8			
Stroke X Liner Output SPM GPM Pressure JV Pb AV Speed SPM Pump #1 Pump #								C	OT No.	Bi	VA/t	90	Wi	ROT	Wt	Tord	que
Unit Siroke X Liner Output SPM	Bit Re	marks:													4		
1	ump					T	T						0	CDM	Slow	Pump Pres	Sures
1	No.	Stroke	X Liner		SPM	GPM	Pre	ssure] JV	PB			AND THE PERSON NAMED IN			rump #2	r dinp ii
2	1	9	x 6		117	375	130	00/900		1					350		
Chorides													3/4	83	650		
AUD DATA WT. VIS PV YP GELS WL HTHP CAKE SLDS % LGS % OIL % SD % MBT PH PM PM PM PM PM PM PM						14 4415 1 14	10.4	01) 40 6	0E* DC /2	00.401\ los	r /20 13 \	6 - 6 25" F	C (174.4	4')			
Chlorides	AUD DA		vis	PV	YP	GELS	WL	нтнр	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	рН	Pm	Pf/Mf
Chicrides	PIT			8	5	2/6	7.6		2	2			0.13		9.2		.1/.3
Chicrides		<u> </u>				<u> </u>	<u> </u>	<u> </u>	<u> </u>	J	<u> </u>	<u> </u>					
		Chi	orides		a++			Shake	r Screens	н	ours N	Aud Engine	er		N	fud Compa	ny
Brain Brai	PIT					106	106			Desand						Anchor	
No						<u> </u>	Ь			Desilt		Daily			C		ost
MD								The state of the s		1						\$58,391	
Mo						(A) E			T Coo	rdinatas	1 7	75	I Di	 	CLOS	URE	
Time			The real Property lies and the least lies and the lies and the least lies and the lies and the least lies and the lies and the lies and the lies and the lies and the lies and the lies and the lies and the lies and the lies and the lies and t					rection		diriates	-	<u> </u>					
TIME Code			1														
Time			MMARY	1	In a star			Supply I	Roat Name					Status:			
1230 1230 6.5 5 5 5 6 1230 1300 0.5 20 7 1230 1300 0.5 20 17 1.00b/DeMob 16 16 1330 1600 2.5 5 5 1.0 20 1.			HOUR		Boats:								<u>.</u>				
1300 1300 0.5 20 1.0				5													
1330 1600 2.5 5 2. Cement														THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 2 IN COL		T Daily	
1800 1615 0.3 3 3 3 3 4 Directional Work 5 1715 1.0 20 4 Directional Work 5 1715 0500 11.8 5 5 5 Drilling 20.75 294 5 5 5 5 5 5 5 5 5					1											 	4.5
1615 1715 1.0 20					 											0.25	31.75
1715 0500 11.8 5 5 5. Drilling 20.75 294 0500 0600 1.0 28 6. Drive Pipe 7. Fishing 8. OH Logging 9. Lost Circ. 10. Drill Cmt./LOT 1.75 11. N.U./ N.D. 7.5 12. P.U./L.D. BHA 5.22 13. P.U./L.D. Pipe 14. R/U; R/D 15. Rig Repair 22 16. Run Casing 2 17. Service Rig 0.5 7 18. Sidetrack Op. 19. Stuck Pipe 18. Sidetrack Op. 19. Stuck Pipe 18.					 									4. Direction	nal Work		
1.0 28 6. Drive Pipe 7. Fishing 8. OH Logging 9. Lost Circ. 10. Drill Cmt./LOT 1.7 11. N.U./ N.D. 7.5 12. P.U./L.D. BHA 5.2 13. P.U./L.D. Pipe 14. R/U; R/D 15. Rig Repair 22. 16. Run Casing 2 22. 17. Service Rig 0.5 7 18. Sidetrack Op. 19. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. 11.																20.75	294
8. OH Logging 9. Lost Circ. 10. Drill Cmt./LOT 1.7. 11. N.U./ N.D. 7.5 12. P.U./L.D. BHA 5.2 13. P.U./L.D. Pipe 14. R/U; R/D 15. Rig Repair 22. 16. Run Casing 2 17. Service Rig 2. Tr. Service Rig 3. P.U./L.D. Pipe 4. Sidetrack Op. 4. Sidetrack		0600															
9. Lost Circ. 10. Drill Cmt./LOT 1.7: 11. N.U./ N.D. 7.5 12. P.U./L.D. BHA 5.2: 13. P.U./L.D. Pipe 14. R/U; R/D 15. Rig Repair 22. 16. Run Casing 2 17. Service Rig 0.5 7 18. Sidetrack Op. 19. Stuck Pipe 18 20. Survey 1.5 11.5																+	
10. Drill Cmt./LOT 1.7/ 11. N.U./ N.D. 7.5 12. P.U./L.D. BHA 5.2/ 13. P.U./L.D. Pipe 14. R/U; R/D 15. Rig Repair 22. 16. Run Casing 2 17. Service Rig 0.5 7 18. Sidetrack Op. 19. Stuck Pipe 18. 20. Survey 1.5 11.3		 	ļ		 											 	
11. N.U./ N.D. 7.5 12. P.U./L.D. BHA 5.2 13. P.U./L.D. Pipe 14. R/U; R/D 15. Rig Repair 22. 16. Run Casing 2 17. Service Rig 0.5 7 18. Sidetrack Op. 19. Stuck Pipe 18 20. Survey 1.5 11.5		-	 														1.75
13. P.U./L.D. Pipe 14. R/U; R/D 15. Rig Repair 22. 16. Run Casing 2 17. Service Rig 18. Sidetrack Op. 19. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 18. Stuck Pipe 19. Stuck Pipe																	7.5
14. R/U; R/D 15. Rig Repair 22. 16. Run Casing 2 17. Service Rig 0.5 7 18. Sidetrack Op. 19. Stuck Pipe 18 20. Survey 1.5 11.				-	 										11.0		
15. Rig Repair 22. 16. Run Casing 2 17. Service Rig 0.5 7 18. Sidetrack Op. 19. Stuck Pipe 18 20. Survey 1.5 11.																	5.25
16. Run Casing 2 2 17. Service Rig 0.5 7 18. Sidetrack Op. 19. Stuck Pipe 18 20. Survey 1.5 11.7														12. P.U./l 13. P.U./l	.D. BHA .D. Pipe		5.25
17. Service Rig 0.5 7 18. Sidetrack Op. 19. Stuck Pipe 18 20. Survey 1.5 11.7														12. P.U./l 13. P.U./l 14. R/U; l	.D. BHA .D. Pipe R/D		
18. Sidetrack Op. 19. Stuck Pipe 18 20. Survey 1.5 11.7														12. P.U./l 13. P.U./l 14. R/U; l 15. Rig R	D. BHA .D. Pipe R/D epair		22.5
19. Stuck Pipe 18 20. Survey 1.5 11.7														12. P.U./I 13. P.U./I 14. R/U; I 15. Rig R 16. Run (D. BHA D. Pipe R/D epair Casing	0.5	22.5
20. Survey 1.5 11.7														12. P.U./I 13. P.U./I 14. R/U; 15. Rig R 16. Run (17. Servi	D. BHAD. Pipe R/D epair Casing ce Rig	0.5	22.5
														12. P.U./I 13. P.U./I 14. R/U; 15. Rig R 16. Run (17. Servi 18. Sidet	D. BHA D. Pipe R/D epair Casing ce Rig rack Op.	0.5	22.5 2 7
														12. P.U.//. 13. P.U.//. 14. R/U; 15. Rig R 16. Run (17. Servid 18. Sidet 19. Stuck	D. BHAD. Pipe R/D epair Casing ce Rig rack Op.		7 18 11.75

Total	Hours	24.0						
	owntime		Fuel Usage		Bulk Material on Board		Previous Cost	\$537,677
Daily		Daily	825	Gals	Cement:	sx	Daily Cost	\$22,949
Cum.	22.5 hrs		12788	Gals	Barite:	sx	Cum. Cost	\$560,626
Cum.	22.5 nrs	Çunı.	12/00	Galo	Darne.			

RECEIVED

DEC 1 3 2004

DIV. OF OIL, GAS & MINING

22. Tst. BOPs

23. UR/HO

24. W.O.W.

28. Other

25. Wash & Ream

26. Well Control 27. WOC

4

4.5

6 5.5

463



			~~u							
I		Bloc	k, Lease and Well I	No.	Contract Rig	DOL	DFS	Date on Location	Spud Date	Report Date
1		N. Thor	npson - State MSC	#16-1	Union #7	37	16	4/27/2004	May 18, 2004	Jun 3, 2004
ľ	MD	TVD	Footage	AFE No.	AFE Amount	Auth. TD.		Company Repres	entative	
ı	7,212	7,212	329		\$600,000		7,700'	0	arl Hulslander	
ı			Present Operat	ion	Rig Phone:	(43	35) 220-09	99 Toolpush	er.	
I			Drilling		Rig Fax:	(254	460-2490	(alt) C	onrad Tonney	

Current Weather	DONR Visit	NPDES	People on Loc.:	17	Last BOP Test Date	RIG E	LEVATIONS
Wind:	∠ Yes No	LC50 Sample Date	Operator	6	5/19/2004	RKB	15 ft
Seas:	Problem? Yes		Contractor	10	Next BOP Test Date	Water Depth	ft
Sky:	M. Jones 🗾 No	Pass? Yes No	Service	1		RKB-CHF	ft

Casing String	OD	Wt.	Grade	Conn.	Jts. Run	Setting	Depth	Line	Тор	MW when		LOT	
						MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor	16"		LP	W		100'	100'						
Surface	8 5/8"	24	J55	STC	12	505'	505'			Air			
				 -		1		 		 			
			1			1							

BIT, WEI	GHT, SPEE!	D AND F	IYDRAUL	ICS REC	ORD											
BIT		Bit Typ	e and						Total		l		Avg	1	Grade	
No	Size	Manufa	ecturer	Serial i	Number	J	ets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
5	7 7/8	Hughes	HX-S20	50395	521	13,	14,14	6,230'	982'	56	35/30	80/90	17.5			
Bit Re	marks:					L	Cum. I	ROT. Hrs	PU	Wt	sc	Wt	RO	T Wt	Tor	que
							24	3.25	14	12	1:	36	1	38		
Pump														Slow	Pump Pres	
No.	Stroke X	Liner	Output	SPM	GPM	Pre	ssure	J۷	Pb	Α	V	Speed	SPM	Pump #1	Pump #2	Pump #3
			gps							DC	DP	1/4	46	210		
1	9 x (6	3.15	117	375		300			350	218	1/2	50	350		
2	44.4		4 27	ec.	050							2/4	92	CCA		

D110				
Length:	517.46	Description:	7 7/8" bit (1'), bit sub (3.40'), 10 - 6.25" DC (308.49'), Jars (29.13), 6 - 6.25" DC (174.44')	
ı			•	

	WT.	VIS	PV	YP	GELŞ	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	Hq	Pm	Pf/Mf
PIT	8.9	35	8	6	2/7	7.4		2	3.1			0.25		9		.1/.2
		<u> </u>		<u> </u>	<u></u>		L		l		<u> </u>	L			L	l
	T		T		Smpl	F.L.			Υ							
	Chle	orides	Ca	++	Temp	Temp	Shaker	Screens	Ho	urs M	lud Engine	er		M	lud Compa	пу
PIT	16	500	6	0	106	106	#1	#2	Desand	Cent.				*****		· · · · · · · · · · · · · · · · · · ·
							180			8		Bill Miller			Anchor	
					#4	Desilt	Mud Cl				Cumulative Cost					
								22		\$2,735				\$51,671		

MD	TVD	ANGLE	Direction	Coordinates	VS	DL_	CLOSURE
6881	6881	3.00 °					
7098	7098	3.00°					

	ME		Time	Boats:	Supply Boat Name:			Status:		
FROM	TO	HOUR	Code		Crew Boat Name:		-	Status:		
0600	0830	2.5	5	Drilling from 68	83' to 6926'		-	Time S	ummary	
0830	0900	0.5	20	Survey @ 6881	1' - 3 deg.			Activity	Daily	Cum
0900	0930	0.5	17	Service rig				1. Mob/DeMob		16
0930	0000	14.5	5	Drilling from 69	26' to 7142'. Reduced we	ight to 30k, increased rpm to	o 90.	2. Cement		4.5
0000	0100	1.0	20	Survey @ 7098				3. Circulate		31.5
0100	0600	5.0	5	Drilling from 71	42' to 7212'. Increased we	eight to 35k.		4. Directional Work		
								5. Drilling	22	273.2
								6. Drive Pipe		
					1,			7. Fishing		
				BGG = 10 units	3			8. OH Logging		
				TG = NA				9. Lost Circ.	<u> </u>	
				CG = nil units		**************************************		10. Drill Cmt./LOT		1.75
				DG = nil units				11. N.U./ N.D.	 	7.5
								12. P.U./L.D. BHA		5.25
				1				13. P.U./L.D. Pipe		
								14. R/U; R/D		
								15. Rig Repair		22.5
								16. Run Casing		2
								17. Service Rig	0.5	6.5
								18. Sidetrack Op.		
								19. Stuck Pipe		18
								20. Survey	1.5	10.25
								21. Trips		21
								22. Tst. BOPs		4
								23. UR/HO		
								24. W.O.W.		
					-			25. Wash & Ream		4.5
								26. Well Control		
								27. WOC		6
								28. Other		4.5
	,			L				Total	24	439
Total I		24.0			In					
aily	withte	Daily	Fuel U	sage 50 Gals	Bulk Material on Board Cement:		Previous C			
				- Quis	poement.	SX	Daily Cost	C 1R	170	



PPI Technology Services

		k, Lease and Well N		Contract Rig Union #7	DOL 40	<u>DFS</u> 19	Date on Location 4/27/2004	<u>Spud Date</u> May 18, 2004	Report Date Jun 6, 2004
<u>MD</u> 8,100	TVD 8,100	Footage 385	AFE No.	AFE Amount \$750,000	Auth, TD.	8,700	Company Repres	entative arl Hulslander	
	L	Present Operati Drilling	ion	Rig Phone: Rig Fax:	(4	35) 220-09		er Conrad Tonney	

		npson - Sta					Union #/		Auth, TD.	19	Compos	y Repres	may 10,	2004	Juli 0,	2004
<u>MD</u> ,100	TVD 8,100	<u>Foota</u> 385		AFE	: No.		FE Amou \$750,000	_	Aum. (D.	8,700'	Compar		ari Huislande	er		
100	0,100		t Operati	on			Rig Phone		(43	35) 220-099	99	Toolpush	er ·			
		-	rilling				Rig Fax:					C	onrad Tonne	У		
			. #		MARKA		Secolo		17	Last BOP	Test Date			RIG ELEV	ATIONS	
	Veather	DÓNR Yes	Visit	1050	NPDES Sample	Date	People	on Loc.:	17 6		/19/2004		RKB	INO LLLY		ft
Vind: Seas:		Problem?	Yes		Jarribia	Date		ractor	10	Next BOP			Water Depth	1		ft
Sky:		TTODICITI		Pass?	Yes	□No		vice	1				RKB-CHF			ft
	RECORD															
С	asing Str	ing	OD	Wt.	Grade	Conn.	Jts.	Run	_	Depth TVD	Liner MD	Top TVD	MW when Run	Pres	LOT EMW	Leakoff
nducto			16"		LP	w			MD 100'	100'	WID	145	1 (dil	1100		
rface	<u> </u>		8 5/8"	24	J55	STC	1	12	505	505'			Air			
				ļ	<u> </u>											
				ļ	 											
	SHT, SPI	ED AND H		LICS RE	CORD			,	1 7-1-1				Avg		Grade	
BIT	Size	Bit Typ Manufa		Sarial	Number	.1	ets	Depth In	Total Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
No 6	7 7/8	Hughes		5031			13,13	7,522	578	33 1/2	35	80	17.3			
														184	T	2110
Bit Rer	marks:							ROT. Hrs 7.5) Wt 58		Wt 50	ROT		l lor	que
ımc l				7			29	 	 	T .	L	ř		Slow	Pump Pres	sures
ump No.	Strok	e X Liner	Output	SPM	GPM	Pre	ssure	1/	Pb			Speed	SPM		Pump #2	Pump #
			gps							DC	DP	1/4	46	230		
1) x 6	3.15	117	375	11	500	ļ	 	350	218	1/2 3/4	50 82	350 700		
2 HA	14	x 5.5	4.37	66	950	<u> </u>		<u> </u>	1	<u> </u>	<u> </u>	<u> </u>			L	
	WT.	VIS	PV	YP 7	GELS 2/6	WL 6.4	HTHP	CAKE 2	SLDS %	LGS %	OIL %	SD %	мвт	рН 9.4	Pm	.05/.3
IT	8.7	38	9	7	2/6	0.4				1		<u> </u>				
					Smpl	I F.L.							<u> </u>	Т		
	l ch	lorides	0	Ca++	Temp	Temp	Shaker	r Screens	H	ours N	lud Engin	eer		<u> </u>	/lud Compa	ny
T		9000	1	40	116	116		#2	Desand						Anchor	
			l		_l		180 #3	180	Desilt	9 Mud Cl		Mike Wel	ker T	 c	umulative C	ost
							90	#7	24	IVIGG CI	\$946				\$60,162	
IRECTI	ONAL S	URVEYS												61.0	SURE	
N	ИD		/D	A	NGLE	Dir	ection	Coo	rdinates	<u> </u>	/S	DL		CLO	SUNE	
		 				 		 	 	1	 	 				
PERAT	TIONS SI	JMMARY														<u></u>
	ME		Time					Boat Name Boat Name					Status: Status:			
FROM 0600	1400	HOUR	Code		g from 77	715' to 7		Soat Name					J. Clares	Time S	ummary	
1400	1430		5 17	Service		13 10 7	001						Ac	tivity	Daily	Cum
1430	0600		5		g from 78	351' to 8	100'						1. Mob/De	·		16
. +50	1-000	13.5	+ -	J.,,,,,,,,,	g		·						2. Cemen	t		4.5
	 	 	1	1									3. Circula			32.2
			1	No St	nows.								4. Direction			
	1												5. Drilling		23.5	327.
				BGG	= 6 units								6. Drive P		 	+
					80 units								7. Fishing			
	<u></u>			_	5 units o	ver BG	gas						8. OH Lo		+	+
	<u> </u>			DG =	nil units		····						9. Lost Ci 10. Drill C		+	1.7
													10. Drill C			7.5
		- 		-									12. P.U./L		1	5.2
	+	 		_		_							13. P.U./l			1
				Mec	Evoloret	ion ren	lack Sta	nlev infor	med Carl	Hulslande	r that the	new	14. R/U; I			İ
	+-	+								ann of Uni			15. Rig R		22.5	

1400	1430	0.5	17	Service Rig					Activity	Daily	Cum.
1430	0600	15.5	- 5	Drilling from 78	51' to 8100'			1.	Mob/DeMob		16
		10.0	<u>-</u> -					2.	Cement		4.5
			l	 				3.	Circulate		32.25
				No Shows.				4.	Directional Work		
				110 0110110.				5.	Drilling	23.5	327.5
			-	BGG = 6 units				6.	Drive Pipe		Ĺ
			 	TG = 80 units				7.	Fishing		L
	-			CG = 5 units ov	ver BG gas			8.	OH Logging		
				DG = nil units				9.	Lost Circ.		
	<u> </u>			1	· · · · · · · · · · · · · · · · · · ·			10	0. Drill Cmt./LOT		1.75
			 					1	1. N.U./ N.D.		7.5
		-		1				12	2. P.U./L.D. BHA		5.25
			1	1				1:	3. P.U./L.D. Pipe		
	l	<u> </u>	l	MSC Exploration	on rep Jack Stanley in	formed Carl Hulslander	that the new	14	4. R/U; R/D		
	<u> </u>		├ ─	TD will be 8700) after meeting with D	loc Musselmann of Unio	n Drilling.	1:	5. Rig Repair		22.5
	 		1	Galan Williams	confirmed with Doc	it 10	6. Run Casing	<u> </u>	2		
	t				8500' to 8700', but no	1	7. Service Rig	0.5	8.5		
	 	-	1	1				1/	8. Sidetrack Op.		
	 	 	 	Survey attempt	at 7849' was cancell	ed by Jack Stanley.		19	9. Stuck Pipe		18
	 		ļ	1				20	0. Survey		11.75
	1							2	1. Trips		33
	 		1	1				2:	2. Tst. BOPs	<u> </u>	4
	 			1				2	3. UR/HO		<u> </u>
		 	1	1		RECEI	VED	2	4. W.O.W.		<u> </u>
	ļ						V U	2	5. Wash & Ream		5
	+	 	┪	1		DEC 1 3	2004	2	6. Well Control		<u> </u>
	 	 	+	1		DEC 1 J	ZUU4	2	7. WOC		6
	 	<u> </u>	 					2	8. Other		5.5
	 	†	1	1		DIV. OF OIL GAS	& MINING	<u>. </u>	Total	24	511
Total	Hours	24.0						-		0.047	
Rig Do	owntime			Usage	Bulk Material on Boar			evious C		6,917 7,103	
Daily		Dally		840 Gals	Cement:	sx		aily Cost		4,020	
Cum.	22.5 hrs	Cum.	1	14253 Gals	Barite:	SX	Cu	um. Cost	\$60	4,020	



	ILLO							
Bloc	k. Lease and Well N	<u>√o.</u>	Contract Rig	DOL	DFS	Date on Location	Spud Date	Report Date
N. Tho	mpson - State MSC	#16-1	Union #7	39	18	4/27/04	May 18, 2004	Jun 5, 2004
MD TVD	Footage	AFE No.	AFE Amount	Auth, TD.	entative			
7,715 7,715	193		\$600,000	l.	7,700'	ari Hulslander		
	Present Operati	<u>on</u>	Rig Phone:	(435) 220-0999 <u>Toolpusher</u>			er	
	Drilling		Rig Fax:	ax: (254) 460-2490 (alt) Conrad To			onrad Tonney	

Current Weather	DONR	Visit		NPDES F		People on Loc.:	17	Last BOP	Test Date			RIG ELE	VATIONS	
Wind:	Yes		o <u>LC</u>	0 Sample	Date	Operator	6		5/19/04		RKB		15	ft
Seas:	Problem?	□ Y ₁	s			Contractor	10	Next BOP	Test Date		Water Depth)		ft
Sky:			o Pass?	Yes	No	Service	1				RKB-CHF			ft
CASING RECORD														
Casing Str	ing	OD	Wt.	Grade	Conn.	Jts. Run	Settin	g Depth	Liner	г Тор	MW when		LOT	
							MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor		16"		LP	W		100'	100'			T T		T	Ī

						MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor	16"		LP	W		100'	100'						
Surface	8 5/8"	24	J55	STC	12	505'	505'			Air			
									İ				
DIT WEIGHT ODEED AND													

BIT		Bit Typ	e and					1	Total				Avg		Grade	
No	Size	Manufa	cturer	Serial I	Number	J	ets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
5	7 7/8	Hughes I	HX-S20	50395	521	13,	14,14	6,230'	1,292'	76 3/4			16.8	8	4	1/16
6	7 7/8	Hughes	HX-S20	50312	79	12,	13,13	7,522	193'	10	35	80	19.3			
Bit Re	Bit Remarks: Cum. ROT. Hrs PU Wt SO Wt ROT Wt													Tor	Torque	
							7	274	15	2	12	6	12	8		
Pump												1			Pump Pres	
No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure	JV	Pb	A'	٧	Speed	SPM	Pump #1	Pump #2	Pump #3
			gps					1		DC	DP	1/4	46	230		
1	9	x 6	3.15	117	375	1.	400			350	218	1/2	50	350		
2	14 >	¢ 5.5	4.37	66	950							3/4	82	700		

Length:	517.46	Description:	7 7/8" bit (1'), bit sub (3.40'), 10 - 6.25" DC (308.49'), Jars (29.13), 6 - 6.25" DC (174.44')

	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pН	Pm	Pf/Mf
PIT	8.6	38	8	7	2/6	6.8		2	2			1.00		9.6		.1/.4
	1		I	L	Smpl	F.L.		· · · · · · · · · · · · · · · · · · ·	1						<u> </u>	
	Chic	orides	Ca	1++	Temp	Temp	Shaker	Screens	Но	urs M	ud Engine	er			lud Compai	ıy
ग	12	000	4	0	109	109	#1	#2	Desand	Cent.						
							180	180		10		Bill Miller			Anchor	
					Mud CI				Ci	Cumulative Cost						
						ľ	90		10		\$825				\$59,216	

MD	TVĎ	ANGLE	Direction	Coordinates	V\$	DL	CLOSURÉ

	IME		Time	Boats:	Supply Boat Name:			Status:	-	
FROM	TO	HOUR	Code		Crew Boat Name:			Status:		
0600	1230	6.5	21		le looking for washout. For	and hole in DP 2 jts. Above I	DC's	Time Su	mmary	
1230	1330	1.0	17	Service rig				Activity	Daily	Cum.
1330	1700	3.5	21	GIH to 4000'				1. Mob/DeMob		16
1700	1730	0.5	3	Circulate & cor	dition mud			2. Cement		4.5
1730	1930	2.0	21	Gih to 7479'				3. Circulate	0.5	32.25
1930	2000	0.5	25	Wash and rear	n from 7479' to 7522'			4. Directional Work		
2000	0600	10.0	5	Drilling from 75	22' to 7715'			5. Drilling	10	304
								6. Drive Pipe		
Ĺ	L			L				7. Fishing		
				No shows				8. OH Logging		
								9. Lost Circ.	***************************************	
				BGG = 8 units				10. Drill Cmt./LOT		1.75
				TG = 80 units				11. N.U./ N.D.		7.5
	1			CG = tr units				12. P.U./L.D. BHA		5.25
				DG = nil units				13. P.U./L.D. Pipe		
								14. R/U; R/D		
				Galan Williams	spoke with Mr. Dustin Dou	cett with DONR in Salt Lake	City	15. Rig Repair		22.5
						He advised to sumit a sundr		16. Run Casing		2
·				notice to deepe	n the well to 8500'. Sundry	notice was completed and	£	17. Service Rig	1	8
						e. Notice was faxed to DON	NR .	18. Sidetrack Op.		
	<u> </u>			on Friday eveni	ng. Galan Williams also sp	ooke to Mr. Mark Jones with		19. Stuck Pipe		18
				DONR and info	rmed him of changes.			20. Survey		11.75
	<u> </u>							21. Trips	12	33
				Jim Jones with	Tidewater Oil & Gas told C	arl Hulslander to continue		22. Tst. BOPs		4
				drilling ahead to				23. UR/HO		
	L							24. W.O.W.		
L								25. Wash & Ream	0.5	5
								26. Well Control		
								27. WOC		6
								28. Other		5.5
	l							Total	24	487
	Hours	24.0								
	wntime	0.0	Fuel Us		Bulk Material on Board		Previous		626	
Daily Cum.	22.5 hrs	Daily Cum	134		Cement: Barite:		Daily Cos			
- ann.	1 22.5 1113	Cum.	134	oais	Dante.	SX	Cum. Cos	t \$586.	917	



CONFIDENTIAL

111	Dervi	ces				P			
		k, Lease and Well N npson - State MSC		Contract Rig Union #7	<u>DOL</u> 42	DFS 21	Date on Location 4/27/2004	<u>Spud Date</u> May 18, 2004	Report Date Jun 8, 2004
<u>MD</u> 8,695	TVD 8,695	Footage 2,970	AFE No.	AFE Amount \$750,000	Auth. TD.	8,700'	Company Repres	entative arl Hulslander	
	<u></u>	Present Operati	on	Rig Phone:	(4:	35) 220-09	999 Toolpush	<u>3</u>	
		Drilling		Rig Fax:				onrad Tonney	

		Presen	t Operation	<u>on</u>			Rig Phon	e:	(43	35) 220-099	99	Toolpush	_			
		0	Prilling				Rig Fax:						onrad Tonne	У		
													, 	DIO ELEV	ATIONS	
Current \	Veather	DONR	Visit		NPDES			on Loc.:		Last BOP				RIG ELEV		
Wind:		✓ Yes	U No	LC50	Sample	<u>Date</u>		rator			/19/2004		RKB			ft
Seas:		Problem?					Cont	ractor		Next BOP	Test Date		Water Depth	<u> </u>		ft
Sky:		M. Jones	√ No	Pass?	Yes	□No	Ser	vice					RKB-CHF			ft
ASING I	RÉCORD															
С	asing Str	ing	OD	Wt.	Grade	Conn.	Jts.	Run	Setting		Liner		MW when		LOT	í
									MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff
onducto	r		16"		LP	W			100'	100'						
urface			B 5/8*	24	J55	STC	4	12	505'	505'			Air			
													<u> </u>			
													ļ			
			T												<u>L</u> _	İ
IT, WEI	GHT, SPE	ED AND H	IYDRAUL	ICS REC	ORD											
BIT	T Bit Type and							Total	****		ĺ	Avg		Grade		
No	Size	Manufa	acturer	Serial I	Number	J	lets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
6	7 7/8	Hughes	HX-S20	50312	279	12,	13,13	7,522'	1,173	79	35	80	14.8			
						Ī							1			
Bit Re	marks:	<u> </u>						ROT. Hrs		Wt		Wt	ROT		Tor	rque
							3	43	10	66	1.	54	16			
ump					1			T		l .		١	2014	Slow	Pump Pres Pump #2	Sures
No.	Stroke	e X Liner	Output	SPM	GPM	Pre	essure] JV	Pb	A		Speed	SPM		Pump #2	rump #
			gps	L		i				DC	DP	1/4	46	270		
1	9) x 6	3.15	117	375	1	350			350	218	1/2	50	350		
2		x 5.5	4.37	66		1 :	950					3/4	82	700	<u> </u>	<u> </u>
BHA																
Length:	517.46	Descr	intion:	7 7/8" b	it (1') bit	sub /3.4	0') 10 - 6	25" DC (3	08.49'), Jar	s (29.13).	6 - 6.25" [DC (174.4	4')	-		
Lengur.	317.40	Dead	iption.		it (,), bit	022 (0	-,,									
													· · · · · · ·			
AD DA					1	T	T	T 001/5	Lo. 50 **	LGS %	QIL%	SD %	мвт	рН	Pm	Pf/Mf
	WT.	VIS	PV	YP	GELS		HTHP	CAKE	SLDS %	LUS %	UIL %		MIDI		+ · · · · ·	.05/.3
PIT	8.9	52	16	12	3/12	5.8		2	4.25	ļ <u> </u>	 	0.50		9.2		,00/.3
					L	<u> </u>	<u></u>]	L	<u> </u>	l		<u> </u>	<u> </u>		<u> </u>
			"I		Smpl	F.L.							1	١.	dud Compa	

1	Chlorides	Ca++	Temp	Temp	Shaker	Screens	Ho	urs M	ud Engineer	Mud Company
PIT	8000	40	114	114	#1	#2	Desand	Cent.		
	·				180	180		22	Mike Welker	Anchor
		<u> </u>			#3	#4	Desilt	Mud CI	Daily Cost	Cumulative Cost
					90		22		\$3,015	\$65,259
	IONAL SURVEYS		OT E	T 51-	action	I Coor	linates		S DL	CLOSURE

	IONS SUM	MMARY_			Status:		
	ME			Boats: Supply Boat Name: Crew Boat Name:	Status:		
ROM	TO	HOUR	Code		Time Su	mmary	
0600	1000	4.0		Drilling from 8425' to 8472'	Activity	Daily	Cum.
1000	1030	0.5	17	Service rig	1. Mob/DeMob		16
1030	0600	19.5	5	Drilling from 8472' to 8695'	2. Cement		4.5
	L'		<u> </u>		3. Circulate		32.25
	'				4. Directional Work		32.23
	<u> </u>					23.5	373
	<u> </u>				5. Drilling	23.5	3/3
	[No Shows.	6. Drive Pipe	 	
					7. Fishing		
				BGG = 4 units	8. OH Logging		├──
	,			TG = NA	9. Lost Circ.	ļ	
				CG = tr units	10. Drill Cmt./LOT	ļ	1.75
	t			DG = NA	11. N.U./ N.D.		7.5
					12. P.U./L.D. BHA	<u> </u>	5.25
		—	1		13. P.U./L.D. Pipe		
	†		†	Mark Jones visited location. Galan Williams spoke with Dustin Doucett	14. R/U; R/D		
	+	†	1-	with DONR in Salt Lake City. Sundry notice to drill to 8700' approved	15. Rig Repair	<u> </u>	22.5
	+	 	+	with stipulation that cement must be brought above the Dakota formation	16. Run Casing		2
	 	+	+	at about 2650'.	17. Service Rig	0.5	10
	 	+		at about 2000.	18. Sidetrack Op.		
	 	 	+		19. Stuck Pipe		18
	+	+	 	•	20. Survey		12.7
	+	 	+		21. Trips		33
	—	 	+	DEOCUED	22. Tst. BOPs		4
	├	+	+	 RECEIVED 	23. UR/HO		
	 	+	+		24. W.O.W.	 	
		 	+	DEC 1 3 2004	25. Wash & Ream	 	5
	+	+	 	DEO 13 CVVI	26. Well Control	†	
	+		+		27. WOC	†	6
	 			DIV. OF OIL, GAS & MINING	28. Other	 	5.5
	4	 	 	,	Total	24	559
		1 21 6			10101		ختسا
	I Hours	24.0	Fuel	Usage Bulk Material on Board Pre	vious Cost \$62	3,209	
Rig D	ownume		ruei	Usage Duk Material Off Coald		2.450	



Block, Lease and Well No.	Contract Rig	DOL	DFS	Date on Location	Soud Date	Report Date
N. Thompson - State MSC #16-1	Union #7	41	20	May 18, 2004	Jun 7, 2004	
MD TVD Footage AFE No.	AFE Amount	Auth. TD.		sentative		
8,425 8,425 325	\$750,000	8,700'	į	Carl Huislander		
Present Operation	Rig Phone:	(43	35) 220-09	99 <u>Toolous</u>	her	
Drilling	Rig Fax:			Conrad Tonney		

Current Weather	DONR Visit	NPDES	People on Loc.:	Last BOP Test Date	RIG E	LEVATIONS
Wind:	∐ Yes ∐ No	LC50 Sample Date	Operator	5/19/2004	RKB	15 ft
Seas:	Problem? Yes		Contractor	Next BOP Test Date	Water Depth	ft
Sky:	☐ No	Pass? Yes No	Service		RKB-CHF	ft
CASING RECORD						

Casing String	OD	Wt.	Grade	Conn.	Jts. Run	Setting	Depth	Line	Тор	MW when		LOT	
						MD,	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor	16"		LP	W		100'	100'					Annual Control of Springers and Printers	
Surface	8 5/8"	24	J55	STC	12	505'	505'			Air			
		ļ											
							· · · · · · · · · · · · · · · · · · ·						ļ
													

DITA	
Length: 517.46 Description:	7 7/8" bit (1'), bit sub (3.40'), 10 - 6.25" DC (308.49'), Jars (29.13), 6 - 6.25" DC (174.44')

MUD D	ATA															
	WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pН	Pm	Pf/Mf
PIT	8.8	38	11	6	2/5	6.6		2	3.5			0.50		9.4		.05/.3
		<u> </u>														
					Smpl	F.L.			l							
	Chle	orides	Ca	3++	Temp	Temp	Shaker	Screens	Ho	urs M	lud Engine	er		١ ٨	lud Compai	ıy
PIT		000	4	0	112		#1	#2	Desand	Cent.						and the second
							180	180		22	١ ٨	like Welke	ər	ł	Anchor	
							#3	#4	Desilt	Mud CI	Daily	Cost		Ci	mulative C	ost
							90		22		\$2,082				\$62 244	

MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLOSURE						
8240	8420	2.00 °											
OPERATIONS SU	OPERATIONS SUMMARY												

	ME			Boats:	Supply Boat Name:		Status:		
FROM	TO	HOUR	Code	<u> </u>	Crew Boat Name:		Status:		
0600	0800	2.0		Drilling from 81	00' to 8131'		Tin	ne Summary	
0800	0900	1.0	17	Service Rig			Activity	Daily	Cum.
0900	1830	9.5	5	Drilling from 81	31' to 8280'		1. Mob/DeMob		16
1830	1930	1.0	20	Survey @ 8240)' - 2 deg.		2. Cement		4.5
1930	0600	10.5	5	Drilling from 82	80' to 8425'		3. Circulate		32.25
							4. Directional W	ork	
							5. Drilling	22	349.5
				No Shows.			6. Drive Pipe		
							7. Fishing		
				BGG = 6 units			8. OH Logging		
				TG = NA			9. Lost Circ.		
				CG = tr units			10. Drill Cmt./LC	T	1.75
				DG = NA			11. N.U./ N.D.		7.5
							12. P.U./L.D. BH	łA	5.25
				<u> </u>			13. P.U./L.D. Pi	ре	
							14. R/U; R/D		
				,-,,,			15. Rig Repair		22.5
							16. Run Casing		2
							17. Service Rig	1	9.5
					ubmitted Sundry Notice to	extend TD to 8700' on morn	ing 18. Sidetrack Op	D.	
				of 6/6/04.			19. Stuck Pipe		18
							20. Survey	1	12.75
							21. Trips		33
							22. Tst. BOPs		4
							23. UR/HO		
							24. W.O.W.		-
							25. Wash & Rea	m	5
							26. Well Control		
							27. WOC		6
							28. Other		5.5
							Total	24	535
Total I		24.0	F					****	
Rig Dov		Daily	Fuel Us		Bulk Material on Board Cement		Previous Cost	\$604,020	
,						ev		£40.400	

	Total	riours	24.0	I	_					
1	Rig Do	wntime		Fuel Usage		Bulk Material on Board		Previous Cost	\$604,020	
- 1	Daily		Daily	882	Gals	Cement:	sx	Daily Cost	\$19,189	
-	Cum.	22.5 hrs	Cum.	15135	Gals	Barite:	sx	Cum. Cost	\$623,209	

PPI Technology Services MSC Exploration
Daily Drilling Report

CONFIDENTIAL

111	BOCI AI	CCS							
		k. Lease and Well		Contract Ria	DOL	DES	Date on Location		Report Date
	N. Thor	npson - State MSC	#16-1	Union #7	44	23	4/27/2004	May 18, 2004	: Jun 10, 2004
MD	TVD	Footage	AFE No.	AFE Amount	Auth. TD.		Company Repre	esentative	
8,700	8,700	TD		\$750,000		8,700'		Carl Hulslander	
		Present Opera	tion	Rig Phone:	(4	35) 220-09	999 <u>Toolpus</u>	her	
	Circulat	te and Condition M	ud, WO casing	Rig Fax:				Conrad Tonney	

Current V	Veather I	DONR	Visit I		NPDES		People	on Loc.:	10	Last BOP	Test Date			RIG ELEV	ATIONS	
Wind:		Yes	☐ No	<u>LC50</u>	Sample (Date		erator	1		5/19/2004		RKB			ft
Seas:		Problem?	Yes					tractor	9	Next BOP	Test Date		Water Depth	1		ft
Sky:			☐ No	Pass?	Yes	☐ No	Sei	rvice					RKB-CHF			ft
CASING			- 65			0	lås.	Run	Cottino	Depth	Liner	Ton	MW when		LOT	
. С	asing Stri	ng	OD	Wt.	Grade	Conn.	JIS.	Kun	MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor	r		16"		LΡ	W			100'	100'						
Surface			8 5/8"	24	J55	STC	,	12	505'	505'			Air			
			ļ		L											
					 								 			
BIT, WEI	3HT, SPE	ED AND H		ICS REC	CORD			-					A		Grade	
BIT	0:	Bit Type		Cartal			lata.	Donth In	Total Footage	Hrs	woB	Rpm	Avg ROP	Tooth	Bearing	Gage
No .	Size 7 7/8	Manufa Hughes I		50312	Number	J	ets	1 Depth in	rootage	1113	WOB	ТОП		70041		
6	1 110	Hughesi	17-320	30312	275			 	<u> </u>							
Bit Rer	marks:			-				ROT. Hrs	PL	Wt	SO	Wt	ROT	*Wt	Tore	que
							34	43.5			I		ļ	Claus	Pump Pres	
Pump		×11	0	SPM	GPM	Dra	ssure	Jv.	Pb	ما	w	Speed	SPM		Pump #2	
No.	Stroke	X Liner	Output	SPIM	GEW	1	asule	"] ' "	DC	T DP	1/4				
1	. 0	x 6	gps 3.15	117	375		970	† 	Ì	1		1/2				
2		x 5.5	4.37	- ```	† <u></u>	<u>`</u>						3/4				
ВНА																
Length:	488.33	Descri	ption:	7 7/8" b	it (1'), bit s	sub (3.4	0'), 10 - 6	.25" DC (3	08.49'), 6 -	6.25" DC (174.44')					
																
L																
MUD DA			T ===	145	Loria	140	LITTIE	CAKE	SLDS %	LGS %	OIL %	SD %	мвт	рН	Pm	Pf/Mf
20.2	WT.	VIS	PV	YP	GELS	WL 6.0	HTHP	CAKE 2	SLDS %	LU3 76	J UIL 70	0.50	WO	9	· · · · · ·	.05/.2
PIT	8.9	46	12	8	2/4	0.0	 	-	 -	1	†	J.33_	†			
— —	L	<u> </u>	<u> </u>			L	<u> </u>	4				·				
	<u> </u>		T		Smpl	F.L.			T						And Comme	nv
		orides		3++	Temp	Temp	1	r Screens	4		Aud Engine	er		 	Aud Compa	ı y
PIT	8	000	1 4	10	114	 	#1	#2 180	Desand	Cent.	4.	Vike Well	cer		Anchor	
<u> </u>	<u>L</u>		<u> </u>			Ь	180 #3	180 #4	Desilt	Mud Cl		Cost	Ť	C	umulative C	ost
1							90		, Dogin	,	\$540				\$67,024	
DIRECTI	ONAL SI	IRVEYS														
	MD		/D	An	IGLE	Dir	rection	Coor	dinates	,	√S	DL	4	CLOS	SURE	
				ļ		 		+	 	 	+	 	 			
OPERA!	IONS SU	MMADY				L				1			<u></u>			
	ME		Time	Boats:		-	Supply 6	Boat Name	:				Status:			
FROM	TO	HOUR	Code				Crew E	Boat Name	:				Status:			
0600	1200	6.0	8	Loggin	g well w	Phoen	ix Surve	ys. Ran l	Dual Indu	ction, Con	np. Densit	у	4		ummary	_
								BHC Soni						tivity	Daily	Cum.
1200	1400	2.0	28					to run pro	duction ca	sing.			1. Mob/De		 	16
1400	1900	5.0	28		d and stra	ap 5-1/2	2" casing].					2. Cemen		 	4.5
1900	2200	3.0	21	GIH to						- 	VEP		3. Circula		4	39.25
2200	2230	0.5	3		ate and c	ondition	n mud		-RE	<u>-しに</u>	VED	,		onal Work	 	+
2230	0000	1.5	21		5000'								5. Drilling		 	373.5
0000	0030	0.5	24				n mud. \	WO weath	ner. 🎵	<u> </u>	2004		6. Drive P		 	+
0030	0230	2.0	21		8700'. I								7. Fishing		+	1 45
0230	0600	3.5	3	Circula	ate and c	onditio	n mud. \	WO remai	nder of ca	asing and	inspectors	NING	8. OH Log		6	15
	ļ	ļ	 	 					DIV. OF	UIL, U	70 K IIII		9. Lost Ci		+	1.75
	ļ	 	₩	<u>L</u> —						A			10. Drill C		+	7.5
	 		 								own rig for		11. N.U./ 12. P.U./L		+	5.25
	 	 		wind a	and dust	at 5000	Decaus	e or poter	ıdal dange	er to crew			13. P.U./L		+	1.23
	 	 	4	 									13. P.U./L		 	
	 		1-	1									15. Rig R		+	22.5
<u> </u>	 	 	 	₩-									16. Run C		+	22.3
L	ļ	 	 	 									17. Service		 	10
<u> </u>	 	 		 									18. Sidetr		+	 '`
	 		 	·									19. Stuck		1	18
	┼		1-	+									20. Surve		+	13.25
<u> </u>	 -	 	 	╂—		· · · · · · · · · · · · · · · · · · ·							21. Trips		6.5	48
	 		 	1-									22. Tst. B		1	4
 	 	+	+	+									23. UR/H		1	
—	+	+	+	+					-05	IV/CT	<u> </u>		24. W.O.\		0.5	0.5
	+	+	1	╁				R	- UE	IVEL		-	25. Wash		T	5
	+	+	+	+									26. Well (1	1
 	 	 	+	╂				n	FC 1	VEC 3 2004	 		27. WOC		1	6
 	 	+	+	+		-,							28. Other		7	15
 		 	+	+					- 011 0	M & 24	NING		Total		24	607
Tota	l Hours	24.0	+-	<u>.</u>				- DIV. O l	OIL, G	MY CHI	111110					
		27.0				Bulk A	vaterial o					Previou	is Cost	\$6!	59,331	
	owntime		Fuel	Usage		- Luin "	riditerial o	n Board				1 101100	10 0001			
	owntime	Daily		Usage 294	Gals	Ceme		n Board		sx		Daily C	ost	\$2	4,413	
Rig D		Daily s Cum.			Gals Gals		ent:	n Board		SX SX			ost	\$2		



Block, Lease and Well No.	Contract Rig	Date on Location 4/27/2004	Spud Date	Report Date						
N. Thompson - State MSC #16-1	Union #7	43 22	May 18, 2004	Jun 9, 2004						
MD TVD Footage AFE No.	AFE Amount	Auth. TD. Company Representative								
8,700 8,700 5	\$750,000	8,700'	Ca	rf Hulslander						
Present Operation Rig Phone: (435) 220-0999 Toolpusher										
Logging	Rig Fax:		Co	nrad Tonney						

Current Weather	DONR Visit	sit NPDES People		18	Last BOP Test Date		EVATIONS
Wind:	Yes No	LC50 Sample Date	Operator	4	5/19/2004	RKB	15 ft
Seas:	Problem? Yes		Contractor	10	Next BOP Test Date	Water Depth	ft
Sky:		Pass? Yes No	Service	4		RKB-CHF	ft

CASING RECORD													
Casing String	OD	Wt.	Grade	Conn.	Jts. Run	Setting	Depth	Line	г Тор	MW when		LOT	
						MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor	16"	[LP	W		100'	100'		1				
Surface	8 5/8"	24	J55	STC	12	505'	505'			Air			
			<u> </u>			<u> </u>							
			ļ	11									<u></u>
		L		L		ļ	ļ						<u> </u>
	1	h	1	i 1		I	1	l	i			i	l .

BIT, WEIGHT, SPEED AND HYDRAULICS RECORD Bit Type and Manufacturer Avg ROP Footage Hughes HX-S20 1/16 Stroke X Liner Output SPM J۷ 1350 950 9 x 6 14 x 5.5 3.15 4.37 117 66 50 82 375

Length: 517.46	Description: 7 7/8" bit (1'), bit sub (3.40'), 10 - 6.25" DC (308.49'), Jars (29.13), 6 - 6.25" DC (174.44')
<u> </u>	

	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %		OIL %	SD %	MBT	pН	Pm	Pf/Mf
IT	8.9	49	14	9	2/6	6.0		2	4			0.50		9		.05/.2
	Chic	orides	Ca	++	Smpl Temp	F.L. Temp	Shaker	Screens	Но	urs M	lud Engine	er			lud Compa	nv
Ť	80	000	4	0	114	114	#1	#2	Desand	Cent.		لسحسنا		I I I I I I I I I I I I I I I I I I I		
							180	180		,	۱ ۱	like Welke	r		Anchor	
							#3	#4	Desilt	Mud Cl	Daily	Cost		Cu	mulative C	ost
							90				\$1,225				\$66,484	-

		Coordinates	Direction	ANGLE	TVD	MD
				3.00 °	8675	8675
_	 <u> </u>		,	L	MMARY	PERATIONS SUM

	ME		Time	Boats: Supply Boat Name:	Status:		
FROM	ŤΟ	HOUR	Code	Crew Boat Name:	Status:		
0600	0630	0.5	5	Drilling from 8695' to 8700'. Reached TD @ 6:30 AM.	Time Su	mmary	
0630	0800	1.5	3	Circulate and Condition hole.	Activity	Daily	Cum.
0800	0900	1.0	21	Short trip, 20 stands - no drag.	1. Mob/DeMob		16
0900	1130	2.5	28	Cut drilling line	2. Cement		4.5
1130	1230	1.0	21	GIH to TD. No fill.	3. Circulate	3	35.25
1230	1400	1.5	3	Circulate and Condition hole.	4. Directional Work		
1400	1430	0.5	20	Survey @ 8675' - 3 deg.	5. Drilling	0.5	373.5
1430	2100	6.5	21	POOH for electric logging.	6. Drive Pipe		
2100	0600	9.0	8	RU Phoenix Surveys electric loggers. Running Induction, Density	7. Fishing		
				Neutron, Gamma Ray, Caliper, SP, Sonic and Micro logs.	8. OH Logging	9	9
					9. Lost Circ.		
					10. Drill Cmt./LOT		1.75
					11. N.U./ N.D.		7.5
				RD mud loggers	12. P.U./L.D. BHA		5.25
					13. P.U./L.D. Pipe		
					14. R/U; R/D		
					15. Rig Repair		22.5
					16. Run Casing		2
i					17. Service Rig		10
					18. Sidetrack Op.		
					19. Stuck Pipe	*	18
					20. Survey	0.5	13.25
					21. Trips	8.5	41.5
					22. Tst. BOPs		4
					23. UR/HO		
					24. W.O.W.		
					25. Wash & Ream	7111	5
					26. Well Control		
					27. WOC		6
					28. Other	2.5	8
Total F	dayra	24.0			Total	24	583
Rig Dov		24.0	Fuel Us	sage Bulk Material on Board Res	uleure Cook double		

_			40		_					
L	Rig Do	wntime		Fuel Usage		Bulk Material on Board		Previous Cost	\$642.365	
-	Daily		Daily	420	Gals	Cement:	SX	Daily Cost	\$16,966	
Ľ	Cum.	22.5 hrs	Cum.	16479	Gals	Barite:	sx	Cum. Cost	\$659,331	

-315 20E 16

NOTICE

Utah Oil and Gas Conservation General Rule R649-3-21 states that.

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.
- ➤ Within 30 days after the completion or plugging of a well, the following shall be filed:
 - Form 8, Well Completion or Recompletion Report and Log
 - · A copy of electric and radioactivity logs, if run
 - · A copy of drillstem test reports,
 - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
 - · A copy of core analyses, and lithologic logs or sample descriptions if compiled
 - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

Operator: MSC EXPLORATION LP	Today's [Date:08/02/2005
Well:	API Number:	Drilling Commenced:
SEE ATTACHED LIST:		
No monthly drilling reports since 12/2004		

To avoid compliance action, required reports should be mailed within 7 business days to:

Utah Division of Oil, Gas and Mining

1594 West North Temple, Suite 1210

P.O. Box 145801

Salt Lake City, Utah 84114-5801

If you have questions or concerns regarding this matter, please call (801) 538-5284.

cc: Well File Compliance File

Operator		.ocation p-Rng-S		Well Name		API Number	Spud Date - Dry	Spud Date - Rota	Lease ry Type
MSC EXPLORATION, LP	2108	200E	16	STATE MSC 16-1		4301931401	05/14/04	05/17/04	State
MSC EXPLORATION, LP	2108	190E	35	STATE MSC 35-1		4301931404	07/27/04		State
MSC EXPLORATION, LP	2108	180E	02	CACTUS ROSE MSC 2-1		4301931402	09/09/04		State
MSC EXPLORATION, LP	210S	200E	02	N THOMPSON 2-1		4301931412	10/29/04		State
MSC EXPLORATION, LP	2108	190E	26	FEDERAL MSC 26-1		4301931407	11/08/04	11/12/04	Federal
NO WELL COMPLET	'ION	OR RE	COM	PLETION REPORT AND	LOG	RECEIVED	FOR THE	FEDERAL.	MSC 86 -1

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING

CONFIDENTIAL

FORM 9

	IVISION OF OIL, GAS AND MIN	IING	5. LEASE DESIGNATION AND SERIAL NUMBER:
D	NVISION OF OIL, GAO AND IIII		177 L - 46760 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		ONIMELLO	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
SUNDRY	NOTICES AND REPORTS	ON MELLS	N/A
		and the same of th	7. UNIT OF CA AGREEMENT NAME:
Do not use this form for proposals to drill nea	w wells, significantly deepen existing wells below currents. Use APPLICATION FOR PERMIT TO DRILL for	int bottom-hale depth, reenter plugged wells, or to rin for such proposels.	N/A
			8. WELL NAME and NUMBER:
1. TYPE OF WELL OIL WELL	GAS WELL 🔼 OTHER		State MSC 16-1
	A		9. API NUMBER:
2. NAME OF OPERATOR:	هر الملا الم		1 43-019-31401
11/20	- Exploration LP	PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
3. ADDRESS OF OPERATOR:	stor, Tranco	D. 380 281-931-8933	wildent
(680	0 -moenatination	1	
4. LOCATION OF WELL HOU	Stor, TKA7060	•	COUNTY: GRAND
FOOTAGES AT SURFACE:) 2	70 FNL + 800 FEL	•	Source & American
		ar S	STATÉ:
QTR/QTR, SECTION, TOWNSHIP, RANG	BE, MERIDIAN: NENG 16 215 3		UTAH
CHECK APPR	OPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPO	RT, OR OTHER DATA
	I	TYPE OF ACTION	
TYPE OF SUBMISSION		DEEPEN	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT	ACIDIZE		
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
Approximate data work that are a	<u> </u>	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TO PREVIOUS PLANS	— ·	☐ VENT OR FLARE
	CHANGE TUBING	PLUG AND ABANDON	<u>_</u>
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:	[RECLAMATION OF WELL SITE	OTHER:
	COMMINGLE PRODUCING FORMATIONS	_	
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
	DMPLETED OPERATIONS. Clearly show all	pertinent details including dates, depths, volume	nes, etc.
Produced	water to be	pumped back	into well.
			RECEIVED
	REQUEST DENIED		SEP 3 0 2005
	REQUEST DEIVI-		021 3 0 2003
	Utah Division of	•	DIV 07 00
	Oil. Gas and Mining		DIV. OF OIL, GAS & MINING
_	17 TO3 - 0151 L		The second second second second
-	ate:		ì
B	y:	COPY SENT	TO OPERATOR
		5 Date: /	0-11-05
	~	Initials	CHO
		i de la companya del companya de la companya del companya de la co	
.	.= ()	TITLE admi	and sheeten
NAME (PLEASE PRINT)	L FAUST	IIILE	
مر ا	1 1	DATE 9-3	30-05
SIGNATURE	+ Curol	UNIE	
(This space for State use only)			

(See Instructions on Reverse Side)

(5/2000)

CONFIDENTIAL

			DEPART	MENT		TURAL	RESO						(hig	hiigh; c	REPORT	NO SERI	U. NUMBE	RM 8
													<u> </u>	Mr.	LLOTTEE C) م) [2	
WELL	COMP	PLET	TION (OR R	ECO	MPL	ETIO	N RE	EPOR	T AND	LOG		1				PLANE	
12 TYPE OF WELL:			iku 🗆		AS Z		DRY [-	Ō?HE				7 1	ET or CA	AGREEMEN	TNAUE		
12 11 23 1121		Ň	ieu Lul	V	vell L	x.	. · ·		01,70	*					[7			
6 TYPE OF WORK	HOREZ	n	eer. —	n	16- I	7	DIFF. RESVR.	-		_			I _		and NUMB			
		Ě	KEP-		WTRY [RESVR.	<u> </u>	OTHE	R			9. AF	PINUMBE	e M		16-	
2 HAME OF CPERA			7	Q,									1 2	13.	-019	- 3	14.1	5 1
3. ADDRESS OF OP	ERATOR:	دحد	1017		7	- 0.55	المحم	14-	17000	PHONE	NUMBER:		10 F)	ELD AND	POOL OR V	VLDCAT		
16800 T	moes	نے ن	۳۷۵	و و د	10	1	کتيغ\$	80		381	- 931-8	335	<u> الأ</u>	VID COTO	FECTION 7	MARK LIN	Dal CE	
4 LOCATION DE W AT SURFACE:					, F								ł		SECTION T			
AT TOP PRODUC	ING INTERVA	4L REPO	RTED BELO	ON.														
														OUNTY		13.	STATE	JTAH
AT TOTAL SEPTI										···				200	MTONS (OF			
5/18/0			B/04		16. DAT		етев. 7 — 0 3	ء سے	BANCONE	ao 🔲 as	READY TO PE	COUC		11. E.EV j		, MING, PLI	i, St	
5/18/0 18 TOTAL DEPTH		700			EACK T.E		811		20. IF W	U.DPLE O	OMPLETIONS.	HOWA	MNY?		H BRIDGE	MD		
	TUD 43	7000				TYD	5011	63	1					PLI	JG SET	TVO		
27, TYPE ELECTRIC	AND OTHER	MECHA	FACY TOO	S ALR: (Sybmit cor	of Josh) , ,	<u> </u>	Call	23.	······································			_/				
MUD	LOG	, " L	116/6	3Ri	21	Ŋς,	V/	SR,	SUNI	WAS WEL	LCORED?		NO		E3 🔲		analysis)	
aerea	dy =	لسك	نتس ص	يهلزو	ع لما	CB	4			WAS US I	HUNZ		NO	ᆂ.	ES []	(Suami)		
										OFFICE TO	NAL SURVEY		40	1	85	(5cam)	C45A1	
14. CASING AND U	NER RECORD		wgnista :Ka i THOUW		TOP	74O)	80770	M (MD;		EMENTER PTH	CENENT TY		VOLUM STU	RAPL)	CEMENT 7	ce	MACUNT	PULLEO
	- ;	_	٠. :				-		 		6				Sur	<u> 7</u> -		
20		6	_ L P		50	- 24	*****	0			C) G	361			500			
14		155	24		<u>ں ک</u>	7	50		100	7, 2	56" SEIP.				5	2		
77/8	51/2	180	12,	9	5.4	(f .	2/	00	55	12		10			351	5		
											72 -	10			,,,,	-		
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	<u> </u>						L		Ь		<u> </u>							
11, TUEING RECOR	RD DEPTH S		Javev	RSET (1	SIZE	;	DEFTH	· SET (IAD)	PACKE	R SET (MD)		SZE	To	EPTH SET (ND) F	ACKER S	ET (MD)
SIZE	130 1 1 S		-	A OE I	~ +-													
2.815		20						L		ZJ. PERFO	RATION RECO)fic						
FORMATION		1 70	L IMDI	BOTTO	MA (MD)	TOP	(TVC)	BOTTO	(מית) אמ	enterv/	L (Top/Bal - M	0)	SIZC	NO. HOL	ES P	ERFORA	DONSTA	TUS
(A)		1						1		683	86868	3	4	40	Opan	2 s	Despoup	
(8)		 				1				164	10-76		4		ZZ Open	已 。	CESMAZE 1	
		┼─						 		8200			4		4 Open	3 5	Qu-18205	
(C)		1		 		 		 							Open	[/] s	Gles:4d	
28. ACID, FRACTU	RE. TREATME	LAT, CET	ENT SOU	EZE, ET	c.					···								
	RITERVAL		T						AU	CARA TAUC	IYFE OF MATI	EFRAL,			· · · · · · · · · · · · · · · · · · ·			
- UG-IN		·	1						······································									
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											*************************************	**********			······································			
29. EKCLOSED AT	TACKUENTS	 h:	_1								***				3	O. WELL	STATUS:	
23, ENCLOSED K	120-110-11	•								_			٦					
	fricalmech Ry notice fi			CEMEN.	TVENIFIC	ATION			dic repop Malysis		OTHER:	· L	_ CIREC	TIONAL I	SURVEY	Sh	ut.	- Lu
(spatial)					<u></u>		(C(UNITAC	ED ON	ВАСКІ						RE	CE	IVE
(5/2009)																DF	:c 1	2 200

DIV. OF OIL, GAS & MINING

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Oct 12 05 04:45p

31. H#TML (*RC	·	T	,		SERVAL A JAM sho	· · · · · · · · · · · · · · · · · · ·	T			
ate first pr	OOUCEL:	TEST DATE		HOURS TESTE		TEST PRODUCTION RATES:	OR - BBL:	IGAS - NCF:	WATER - BOL:	PROD. VETHOD.
HOKE SIZE	TEG PRESS.	CSG. FRESS.	APIGRAVITY	BTL - GAS	GAS/OIL FATTO	24 MR PRODUCTION PATES: →	CKL 8191.:	GAS - MCF.	WATER - COL	INTERVAL STATUS:
	20120	TEST DATE:		HOURS TESTO	ERYAL D (As shor	TEST PROCECTION	720 220		T	
ATE FIRST PR	UNAZEU.	IEST MATE:		100M3 (ESTE	ur.	RATES: -	CIL-DSIC	GAS - MCF:	WATER - ESL	PROD. METHOD:
HOKE SIZE	TBG, PRESS.	CSG PRESS.	APIGRAVITY	81U-GAS	<u></u>	24 HR PRODUCTION RATES: →	CIL - BBL:	GAS NCF:	WATER - BBL:	INTERVAL STATUS.
	A	Twar D. Tr		HOURS YESTER	ERVAL C (As sho	WIT IN NEW WZEJ	Ta:			
ate past pr		TEST DATE	·			rates: →		gas - VCF:	WATER - BOL:	PROD, METHOD:
HOKE SIZE:	TOG PRESS.	CSG. PRESS.	APIGRAVITY	etu-gas	GAS/OIL FATIO	24 HR PRODUCTION RATES: →	OIL-091:	gas MCF:	WATER - BEL:	INTERVAL STATUS.
					ERVAL D (As who	we to Item #29]				
NTE FIKST PRO	DOUGEO:	TEST GATE:		HOURS TESTED	D.	TEST PRODUCTION RATES: -	OK - 88L:	GAS MCF	WATER - BOL	PROD. METHOD
HOKE SIZE:	THG PRESS	CSG. PRESS.	API GRAVITY	OFU -GAS	GAS/OL RATIO	24 HR PRODUCTION RATES: →	OIL ~ 89L:	GAS - MCF:	WATER - EBL	INTERVAL STATUS:
DISPOSITIO	N OF GAS (Sold,	Used for Fuel, Ve	racd, Eus.)		···		<u> </u>	· '		<u> </u>
L SUMMARY	of Pordus Zoni	ES (Include Aquil	ers):			3	4 FORMATION (Log) MARKERS:	·	
	at zonos of paros ny sed, tima tool opan				ı lesis, including de	Substitute:				
	· · ·									
Formaisa			ion IO)	Description	tions, Contents, etc.	-		Name		Top Measured Guelh)
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		1								
			1						l	
, ADDITIONAL	REMARKS (Inch	ide piugging proc	edure)	,						
140.2	اصلت و	sed_Q 3	د - qe	thing	Price	s on	veel	aimui	ج من	ie
11000			3	,	•				•	
, Thereby cort	lly that the forego	ing and alteched	infermation is co	emplete and come	et as determined !	from all avallable rocc	rds.			
NAME (FI.EAGE	PRINT)	Fan 7	aust			TITLE	Admi	tentein	·0 \	
SIGNATURE_		7	mst	,		DATE	10-	7-05	************	
nis report mu	ust be submitte	ed within 30 d								
campledrifting	eting or pluggi horizontal late pleting to a cil	ng a new well erals from an	existing well b	ore •	significantly de	reviously plugged eepening an exist arbon exploratory	ina well bore l	below the newl	ous bottom-no	le depth objetosto
						om two or more fo				
TEM 24: 04	ment Top - St	naw haw repor	ted top(s) of ca	:m e niwere de	termined (circu	lated (CIR), calcul	aled (CAL), cr	ement bond log	(CRL), tempera	ature survey (TS)).
end to: U	Rah Division o 594 Wast Nor	fOil, Gas and	Mining		s: 801-538-53			v		ECEIVED
8	lox 145801 iait Lake City.			Fax:	801-359-39	40				
2000;									D	EC 1 2 2005
					4				DIV. OF	OIL, GAS & MINI
	_									

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MSC Exploration LP

0cf 12 05 04:45p

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING												AMENDED REPORT FORM 8 (highlight changes) 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-46760							
WELL COMPLETION OR RECOMPLETION REPORT AND LOG												6. IF I	6. IF INDIAN, ALLOTTEE OR TRIBE NAME						
a. TYPE OF WELL: OIL WELL DRY OTHER												7. UN	7. UNIT or CA AGREEMENT NAME						
b. TYPE OF WORK: NEW HORIZ. DEEP- RE- DIFF. OTHER WELL ATS: EN ENTRY RESVR. OTHER													S	8. WELL NAME and NUMBER: State MSC 16-1					
NAME OF OPERATOR: MSC Exploration											4	3019	31401						
A ADDRESS OF OPERATOR: 1645 Court PI. #300 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 468-0656													10 FIELD AND POOL, OR WILDCAT WILDCAT						
1645 Court PI. #300 CITY Deriver STATE CO ZIP 00202 (300) 400 000												11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:							
AT SURFACE: 1270 FNL & 800 FEL												NENE 16 21S 20E							
AT TOP PRODUCING INTERVAL REPORTED BELOW: 1270 FNL & 800 FEL																			
AT TOTAL DEPTH	H: 1270 F	NL &	800 F	EL										12. COUNTY 13. STATE UTAH					JTAH
14. DATE SPUDDED); 15.	DATE T.D	. REACH	IED: 1	6. DATE				DANIDONI	I	_	READY TO P				VATIONS (DE	, RKB,	RT, GL):	
5/18/2004		/8/200				7/200		A	BANDONE							TH BRIDGE	MD	8,173	
18. TOTAL DEPTH:	0,, 0	-	19	PLUG B	ACK T.D.		8,173 8.173		20. IF N	MULT	IPLE CC	MPLETIONS	, HOW N	MANY?		UG SET:		8,173	
no TYPE ELECTRIC	TVD 8.70		CALLOG	S DI IN (S)	hmit com				<u> </u>	23								0,	
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) Dual Induction, Comp Density, Comp Neutron, GR, SP, Sonic WAS WELL CORED? WAS DST RUN? DIRECTIONAL SURVEY?										NO YES (Submit analysis) NO YES (Submit report) NO Y YES (Submit copy)									
24. CASING AND LI	NER RECORD	Report al	i strings	set in well	1)					•						-			
HOLE SIZE	SIZE/GRAD	E V	V EIGHT ((#/ft.)	TOP (MD)		BOTTOM (MD)			STAGE CEMENTE DEPTH		CEMENT TYPE & NO. OF SACKS		SLURRY VOLUME (BBL)		CEMENT TOP **		AMOUNT PULLED	
20	16	LP			0		100		<u></u>							0			0
12 1/4	8 5/8 J	55	24		0		505					G	367	44		0			0
7 7/8	5 1/2 L	.80	17		0		8,690		5,51		2	G	1,506	41		æ - <u>2</u> 06	4	120	000
															<u> </u>			┼	
				-+											-			ENTIA	L —
	<u> </u>			l			L								1	•	PER	RED_	
25. TUBING RECOR	DEPTH SE	T (MD)	DACKE	R SET (M	D) .	SIZE	: 1	DEPTH	SET (MD)	, [PACKE	R SET (MD)		SIZE		DERTINGET (MD)	PACKER	SET (MD)
2 7/8	6,75			.750						+								17-0	
26. PRODUCING IN				1. 00						27.	PERFO	RATION REC	ORD						
FORMATION		TOP (MD)	BOTTON	(MD)	TOP	(TVD)	вотто	M (TVD)	=	NTERVA	L (Top/Bot - N	AD)	SIZE	NO. HO	LES P			TO Service Marie
(A) Pennsylvanian 7,0		56		7,		056			8,	8,446 8,476		476	.43	120	Open		Squeezed		
(B) Pennsylvanian 7,0		56		7,		056			8,	8,206 8,222		222	.43	64			Squeezed		
© Cutler 5,9		64	7,056		5,9	,964 7,0		54	6,	6,858 6,86		868	.43	40 Open		ᆜ	Squeezed		
(D)								<u></u>		<u> </u>						Open	Ц_	Squeezed	<u> </u>
28. ACID, FRACTUI	RE, TREATMEN	T, CEME	NT SQUE	EZE, ETC															
DEPTH INTERVAL AMOUNT AND TYPE OF MATERIAL																			
8446' - 8476	5% Hcl Acid/ W Iron Control, Corrosion Inhibitor, Clay								y Stabilizer, Friction Reducer, Non-Em										
6858' - 6868	% Kcl Water And Halliburton A-19 Iron Chloride Surfactant																		
																1			
29. ENCLOSED AT	TACHMENTS:															3	o. WEL	L STATUS:	
Z ELECT	RICAL/MECHAI	NICAL LO	GS					GEOLOG	IC REPOR	₹T		DST REPOR	т [DIREC	TIONAL	SURVEY	Т	EMP	SI

(CONTINUED ON BACK)

CORE ANALYSIS

OTHER:

(5/2000)

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

DE OFCE, OND ENDING

31. INITIAL PR	ODUCTION				INT	ERVAL A (As sho	wn in Item #26)						
DATE FIRST PRODUCED:		TEST DA	TE:		HOURS TESTED	D :	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBI	.: PROD. METHOD:		
CHOKE SIZE:	TBG. PRES	S. CSG. PR	ESS. API GR	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL BBL:	GAS MCF:	WATER - BBI	: INTERVAL STATUS		
					INT	ERVAL B (As sho	wn in item #26)						
DATE FIRST PRODUCED:		TEST DA	TE:		HOURS TESTED	D:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBI	PROD. METHOD:		
CHOKE SIZE:	TBG. PRES	S. CSG. PR	ESS. API GR	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS MCF:	WATER - BB	L: INTERVAL STATUS		
	<u> </u>				INT	ERVAL C (As sho	wn in Item #26)		······				
DATE FIRST PRODUCED:		TEST DA	TE:		HOURS TESTED	D:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS MCF:	WATER - BB	L: PROD. METHOD:		
CHOKE SIZE:	E SIZE: TBG. PRESS.		ESS. API GR	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTIO RATES: →	N OIL - BBL:	GAS - MCF:	WATER - BB	L: INTERVAL STATUS		
					INT	ERVAL D (As sho	wn in Item #26)						
DATE FIRST PRODUCED:		TEST DA	TE:		HOURS TESTER	D:	TEST PRODUCTION RATES: →	N OIL - BBL:	GAS - MCF:	WATER - BB	L: PROD. METHOD:		
CHOKE SIZE:	TBG. PRES	S. CSG. PR	CSG. PRESS. API GRAVITY		BTU - GAS GAS/OIL RATIO		24 HR PRODUCTIO RATES: →	N OIL – BBL:	GAS - MCF:	WATER - BB	INTERVAL STATUS		
32. DISPOSITI	ON OF GAS (S	Sold, Used for i	Fuel, Vented, Etc)			<u>.</u>						
33. SUMMARY	OF POROUS	ZONES (Includ	e Aquifers):					34. FORMATIC	ON (Log) MARKERS:				
Show all import	ant zones of po	prosity and cont		ed intervi ures and	als and all drill-sten recoveries.	n tests, including d	epth interval						
Formation		Top (MD)	Bottom (MD)		Descrip	otions, Contents, et	ıc.	Name			Top (Measured Depth)		
									· · · · · · · · · · · · · · · · · · ·				

35. ADDITIONAL REMARKS (Include plugging procedure)

Well temporarily SI waiting on completion, RBP @ 8393' & 8173'

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.									
NAME (PLEASE PRINT) R.E. Knight	TITLE	Agent							
SIGNATURE REKUIT	DATE	4/17/2006							

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth

Dakota SS

Curtis

Carmel

Navaio

Chinle

Cutler

Pennsylvanian Top

Wingate

2.837

3,680

4,200

4,322

4,823

5,079

5,964

7,056

- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests
- * ITEM 20: Show the number of completions if production is measured separately from two or more formations.
- ** ITEM 24: Cement Top Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

<u>State MSC 16-1</u> <u>API # 4301931401</u>

1270 FNL & 800 FEL

Spud Date:	6/9/2004	
making a reflected and first the best to the first the		

Depth	survey
460	2.00
1010	1.25
1505	1.75
2063	1.75
2522	1.75
2973	1.25
3530	1.25
4022	1.00
4947	1.00
5890	1.75
6382	2.00
6881	3.00
7098	3.00
7311	3.00
8240	2.00
8675	3.00

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

DE	SIG	NA	TIC	N	OF	AG	ENT	OR	OP	ERA	TOF	Ł
 												-

The undersigned is, on a	record, the holder of oil and ga	s lease		
LEASE NAME:				
LEASE NUMBER:		***************************************		
and hereby designates				
NAME:	Tidewater Oil & Gas LLC	N3000		·
ADDRESS:	1645 Court Place, Suite 301			
	city DENVER	state CC	D . zip 80202	
regulations applicable the securing compliance with of the State of Utah with	·	on Director or Authorized n General Rules and Proce	Agent may serve writte edural Rules of the Boar	en or oral instructions in d of Oil, Gas and Mining
(Describe acreage to needed.)	o which this designation is applicable.	Identify each oil and gas well by	API number and name. Atta	ch additional pages as
43-019-31402 -43-019-31404 -43-019-31408 -43-019-31394 -43-019-31399 -43-019-31404	STATE 21-19 (32-16D) STATE MSC 35-1 N THOMPSON 2-1	Carlene Division of Oil, Ga	s and Mining gineering Technician	
It is understood that this of the lease and the Oil	designation of agent/operator and Gas Conservation Gener understood that this designation	does not relieve the lesse al Rules and Procedural F	e of responsibility for co Rules of the Board of Oi	ompliance with the terms il, Gas and Mining of the
In case of default on the terms or orders of the E	part of the designated agent/op Board of Oil, Gas and Mining of	perator, the lessee will make the State of Utah or its au	te full and prompt compluthorized representative	iance with all rules, l eas e e.
The lessee agrees to p	romptly notify the Division Dire	ctor or Authorized Agent o	of any change in this de	signation.
Effective Date of Desi	gnation: 10/10/2006	-		
BY: (Name) Michael	er completing /	OF: (Company)	MSC Exploration, LP	<u>N2595</u>
(Signature)	left with	(Address)	369 Florida Hill Rd.	and the state of t
(Title) Presid			city RIDGEFIELD	
(Phone) (203) 9	994-1079	RECEIVED	state CT zi	p 06877
(5/2000)		UCT 2 5 2006		

Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

of their responsibility to notify all interest owners of this change on:

COMMENTS:

ROUTING
1. DJJ
2 CDW

						'	2. CDW
X - Change of Operator (Well Sold)	Operator Name Change/Merger						
The operator of the well(s) listed below has chang			2/12/2008				
FROM: (Old Operator):			TO: (New O	perator):		·	
N3000-Tidewater Oil & Gas Company, LLC			N3440-NAE, I				
110 16th St, Suite 1200			•		lley Dr, Suite 38	0	
Denver, CO 80202				n, TX 7706	-		
				•			
Phone: 1 (303) 327-7134			Phone: 1 (281)	931-8933			
CA No.			Unit:				
WELL NAME	SEC TWN	RNG	API NO	ENTITY	LEASE TYPE		WELL
SEE ATTACHED LIST				NO	 	TYPE	STATUS
SEE ATTACHED LIST			<u> </u>	<u>i</u>	J	<u> </u>	L
OPERATOR CHANGES DOCUMENTA	ATION						
Enter date after each listed item is completed	111011						
1. (R649-8-10) Sundry or legal documentation was	s received fi	rom the	FORMER one	erator on:	2/26/2008		
2. (R649-8-10) Sundry or legal documentation was					2/22/2008	•	
3. The new company was checked on the Departn			-			•	1/15/2008
4a. Is the new operator registered in the State of U		mici cc	Business Numb	-	6666480-0161		1/13/2008
			. Dasmess Manu	JCI.	0000480-0101	•	
			DIDIACE				
5a. (R649-9-2)Waste Management Plan has been rec			IN PLACE	_			
5b. Inspections of LA PA state/fee well sites comple			ok	_			
5c. Reports current for Production/Disposition & Su			ok	_			
6. Federal and Indian Lease Wells: The BLI	M and or the	e BIA h	as approved the	e merger, na	me change,		
or operator change for all wells listed on Federa	l or Indian l	leases o	n:	BLM	not yet	BIA	_
7. Federal and Indian Units:							
The BLM or BIA has approved the successor	of unit oper	ator for	wells listed on	•	not yet		
8. Federal and Indian Communization Agr	eements ("CA")) :				
The BLM or BIA has approved the operator for	or all wells	listed w	rithin a CA on:		n/a	_	
9. Underground Injection Control ("UIC"))	The Di	vision has appro	oved UIC F	orm 5, Transfer	of Autho	ority to
Inject, for the enhanced/secondary recovery uni	t/project for	r the wa	ter disposal we	ll(s) listed o	n:	n/a	_
DATA ENTRY:							
1. Changes entered in the Oil and Gas Database of	n:		2/27/2008	_			
2. Changes have been entered on the Monthly Ope	erator Cha	nge Sp	read Sheet on:		2/27/2008		
3. Bond information entered in RBDMS on:			2/27/2008	.			
4. Fee/State wells attached to bond in RBDMS on:			2/27/2008	-			
5. Injection Projects to new operator in RBDMS of			n/a	-			
6. Receipt of Acceptance of Drilling Procedures for	r APD/New	on:		2/27/2008	-		
BOND VERIFICATION:							
1. Federal well(s) covered by Bond Number:			UTB000296	_			
2. Indian well(s) covered by Bond Number:			n/a	-			
3a. (R649-3-1) The NEW operator of any fee well					8030575893		
3b. The FORMER operator has requested a release	of liability	from th	eir bond on:	2/22/2008	•		
The Division sent response by letter on:	W		n/a				
LEASE INTEREST OWNER NOTIFICA	ATION:						
4. (R649-2-10) The NEW operator of the fee wells:	has been co	ntacted	and informed b	y a letter fro	om the Division		

DEPART DIVISIO	STATE OF UTAH MENT OF NATURAL RESOU! N OF OIL, GAS AND MI	RCES NING		5. LE.	FORM 9 ASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTIC	CES AND REPORTS	S ON WE	LLS	6. IF I	NDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, sign drill horizontal faterals. Use A	nificantly deepen existing wells below cun PPLICATION FOR PERMIT TO DRILL fo	rrent bottom-hole de form for such propo	epth, reenter plugged wells, or to sais.	7. UN	IT of CA AGREEMENT NAME:
1. TYPE OF WELL	GAS WELL OTHER_			${\cal S}$	LL NAME and NUMBER: EE attacked his
NAE, LLC N34	140			9. API	NUMBER:
	HOUSTON STATE TX ZIP	77060	PHONE NUMBER: (281) 931-8933	10. FI	ELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE:					
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAI				COUN	
					HATU
	TE BOXES TO INDICAT			₹T, O	R OTHER DATA
TYPE OF SUBMISSION	175	DEEPEN	YPE OF ACTION		DEDECTOR AT CURRENT FORMATION
☐ NOTICE OF INTENT	R CASING	FRACTUR	E TREAT		REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL
	NG REPAIR		STRUCTION		TEMPORARILY ABANDON
CHAN	NGE TO PREVIOUS PLANS		R CHANGE	\exists	TUBING REPAIR
CHAN	NGE TUBING		ABANDON	一一	VENT OR FLARE
SUBSEQUENT REPORT CHAN	NGE WELL NAME	PLUG BAC	к	一	WATER DISPOSAL
(Submit Original Form Only)	NGE WELL STATUS	PRODUCT	ION (START/RESUME)	一	WATER SHUT-OFF
Date of work completion: COMM	MINGLE PRODUCING FORMATIONS	RECLAMA	TION OF WELL SITE	П	OTHER:
CONV	ERT WELL TYPE	RECOMPL	ETE - DIFFERENT FORMATION		
NAE, LLC will be assuming all plug Effective Date: 2/12/08 Federal Bond Number: UTB00029 State Bond Number: 8030575893 Name: Tidewater Oil & Gas Composition Signature: Title: Date: 02/21/08	ging and reclamation lial 6 any LLC. Address: 116	bilities for th	e wells on the schedu	ile att	
NAME (PLEASE PRINT) MICHAEL SIGNATURE	Cognish	TITI	2/12/12		NAE
Firds space for State use only)				20	RECEIVED

(This space for State use on

(5/2000)

(See Instructions on Reverse Side)

Division of Oil, Gas and Mining Earlene Russell, Engineering Technician FEB 2 2 2008

DIV. OF OIL, GAS & MINING

well_name	sec	twp	rng	api	entity	lease	well	stat
FEDERAL MSC 26-1	26	210S	190E	4301931407	14785	Federal	GW	S
FEDERAL 7-34-2122	07	210S	220E	4301931484		Federal	OW	APD
BLACK HAT FED 18-43-2224	18	220\$	240E	4301931495		Federal	OW	APD
OLD SAGERS FED 13-32-2222	13	220S	220E	4301931497		Federal	OW	APD
STATE 1-32	32	210S	190E	4301931394	13598	State	OW	PA
STATE 21-19 (32-16D)	32	210S	190E	4301931399	13903	State	OW	TA
STATE MSC 16-1	16	210S	200E	4301931401	14166	State	OW	S
STATE MSC 35-1	35	210S	190E	4301931404	14259	State	GW	S
N THOMPSON 2-1	02	210S	200E	4301931412	14376	State	GW	OPS
TIDEWATER ST 23-5	23	210S	230E	4301931466	16258	State	OW	PA
TIDEWATER ST 23-2	23	210S	230E	4301931467		State	GW	APD
TIDEWATER ST 23-1	23	210S	230E	4301931468		State	GW	APD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

Well name:	* Plea	SP SPP O	Hacked schedu	10	X
API number:					~ }
Location:	1981 - 1994	17 mag 1	(workill):		
Company that filed original appli	cation: Tide	water oil	+ Gas Compan	ц	
Date original permit was issued:				<i>}</i>	
Company that permit was issued	to:			t is man dealing a sea time, a collection has be	
heck one		Desired Action:			
Transfer pending (unappro	ved) Application fo	r Permit to Drill to n	ew operator	age e co - pë pë Quer 4 anë - dës - y	g - Among William
submitted in the pending App	olication for Permit to	Drill, remains valid as	eby verifies that the information nd does not require revision. Th ocedures as stated in the applica	e new	
Transfer approved Applica	tion for Permit to D	rill to new operator			
			ermitted, hereby verifies that the remains valid and does not requ		
Following is a checklist of some flocated on private land, has the configuration of the surface agreements.	wnership changed?	application, which	should be verified.	Yes	1
Have any wells been drilled in the verguirements for this location?	ricinity of the propose	d well which would a	ffect the spacing or siting		
Have there been any unit or other a proposed well?	agreements put in pla	ce that could affect th	he permitting or operation of this		
Have there been any changes to the proposed location?	ie access route includ	ling ownership or righ	nt-of-way, which could affect the		
Has the approved source of water	for drilling changed?				
Have there been any physical char plans from what was discussed at	nges to the surface lo the onsite evaluation	cation or access rout ?	e which will require a change in		
Is bonding still in place, which cove	ers this proposed well	? Bond No. 803	0576893		1
Any desired or necessary changes should be filed on a Sundry Notice	to either a pending o , Form 9, or amended as required.	r approved Application Application for Perm	on for Permit to Drill that is being nit to Drill, Form 3, as appropriat	e, with	ərre

(3/2004)

RECEIVED FEB 2 6 2008

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

FORM 9

	DIVISION OF OIL, GAS AND M			5. LEASE DESIGNATION AND SERIAL NUMBER: ML-46760
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposals to drill in	new wells, significantly deepen existing wells below of aterals. Use APPLICATION FOR PERMIT TO DRILI	current bottom-hole dep	th, reenter plugged wells, or to	7. UNIT OF CA AGREEMENT NAME:
TYPE OF WELL OIL WELL		Shut-in well	is.	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:				STATE MSC 16-1 9. API NUMBER:
NAE, LLC				4301931401
3. ADDRESS OF OPERATOR: 110 16th St, Ste 1220	, Denver STATE CO	_~ 80202	PHONE NUMBER: (303) 327-7169	10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1270'		**************************************	<u> </u>	соинту: Grand
QTR/QTR, SECTION, TOWNSHIP, RAN		20E		STATE: UTAH
1. CHECK APPI	ROPRIATE BOXES TO INDICA	TE NATURE	OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	I AODATE	**************************************	PE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate)	ACIDIZE ALTER CASING	DEEPEN	TREAT	REPERFORATE CURRENT FORMATION
Approximate date work will start:	CASING REPAIR	FRACTURE NEW CONS		SIDETRACK TO REPAIR WELL
	CHANGE TO PREVIOUS PLANS	OPERATOR		TEMPORARILY ABANDON TUBING REPAIR
	✓ CHANGE TUBING	PLUG AND		VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK		WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS		ON (START/RESUME)	WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING FORMATIONS		ON OF WELL SITE	OTHER: casing & tubing
	CONVERT WELL TYPE		TE - DIFFERENT FORMATION	inspection & testing
DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show all	pertinent details inc	duding dates, depths, volume	es etc
perfs. Pressure test 5.5" 1 hole. Release rig pending	an tubing. Run casing scraper a 17.0 ppf N80 LTC casing to 250 design of hydraulic fracture treations.	and casing ins 0 psi surface p atment.	pection log. Set retri pressure. Retrieve b	
07/17/2008.	y approved by Bushin Budget w	in the State of	i Otali Division on On	, Gas & Mining at ~1500 hours or COPY SENT TO OPERATOR
				Date: 7.23.2008
				Initials: 145
AME (PLEASE PRINT) Walter D I	Lowry	TITLI	Operations Mana	ger
IGNATURE	by and a	DATE	7/18/2008	
s space for State use only)	APPROVED BY			RECEIVED
		ISION O		
	OIL, GAS, AN	NIMININ	G	JUL 1 8 2008
000)	BATE! ATMORE	1		

DIV. OF OIL, GAS & MINING

DIV. OF OIL, GAS & MINING

STATE OF UTAH

(5/2000)

	DIVISION OF OIL, GA			5. LEASE DESIGNATION AND SERIAL NUMBER: ML-46760
SUNDR	Y NOTICES AND R	EPORTS ON WE	LLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	I new wells, significantly deepen existin Laterals. Use APPLICATION FOR PEI	g wells below current bottom-hole RMIT TO DRILL form for such prop	depth, reenter plugged wells, or to osals.	7. UNIT OF CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL	L ☐ GAS WELL 🗸	OTHER		8. WELL NAME and NUMBER: State MSC 16-1
2. NAME OF OPERATOR:				9. API NUMBER:
NAE, LLC 3. ADDRESS OF OPERATOR:			PHONE NUMBER:	4301931401 10. FIELD AND POOL OR WILDCAT:
1109 16th Street, Suite 1220	Denver Are	CO 8/0202	(303) 327-7169	Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1270	' FNL & 800' FEL			COUNTY: Grand
QTR/QTR, SECTION, TOWNSHIP, RA	ANGE, MERIDIAN: NENE 16	21S 20E		STATE: UTAH
11. CHECK APP	PROPRIATE BOXES TO	O INDICATE NATUR	E OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION
(Submit in Duplicate) Approximate date work will start:	ALTER CASING. CASING REPAIR		RE TREAT	SIDETRACK TO REPAIR WELL
9/8/2008	CASING REPAIR CHANGE TO PREVIOUS PI		INSTRUCTION	TEMPORARILY ABANDON
9/0/2000	CHANGE TUBING		OR CHANGE	TUBING REPAIR
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG A	ND ABANDON	VENT OR FLARE
(Submit Original Form Only)	CHANGE WELL STATUS	hand hand	CTION (START/RESUME)	WATER DISPOSAL WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING		IATION OF WELL SITE	
	CONVERT WELL TYPE		PLETE - DIFFERENT FORMATION	✓ OTHER P&A existing Cutler perfs.
12. DESCRIBE PROPOSED OR (COMPLETED OPERATIONS CI			non oto
 MIRU Professional Wo TIH and set cement re 	ectric log show from 596 ell Service Rig #1. PU re stainer at ~ 6850' above ss 'G' Neat cement mixe stainer.	2' - 5982'. ental tubing. existing Cutler perfs d at 15.6 ppg + 2% C	from 6858-6868'. aCl2 with a yield of 1.	18 cf/sx below retainer and dump 3
5. TIH w/ perf guns and p	perf Cutler porosity zone	from 5962'-5982'. (Observe well.	COPY SENT TO OPERATOR
Load hole with 6% KC	I water and surfactant.	Perform break down	operation.	any. Date: 9.15.2008
7. Swab well to evaluate8. Release Rig.	for gas production pote	ntial. Obtain sample:	s of formation fluid, if	
9. RU rental portable tes	t separator and test well	for up to 5 days.		Initials: KS
NAE currently has a rig o	on location and would lik	e to begin the aforen	nentioned operations a	as soon as possible.
NAME (PLEASE PRINT) Walter D	. Lowry	T	π _{ιτιε} Operations Mana	ager
SIGNATURE	Vry		9/8/2008	
(This space for State use only)	APPROVED BY	THESTATE		RECEIVED
	OF UTAH D	IVISION OF ND MINING		
	GAS A	ND WILLIAM		CED 11 8 2008

State MSC 16-1 **Well Construction Diagram**

REVISED wdl 09-09-08

Well: State MSC 16-1 Well Type: Vertical Cutler Well API Number: 43-019-31401 Surface Location: 1270' FNL & 800' FEL

Bottom Hole Location: 1270' FNL & 800' FEL

Total Depth: 8700' Proposed Work Date: 09 September 2008

S-T-R: Sec 16-T21S-R20E Field: Wildcat Lease Number ML-46760 Elevation (ft): 5,254' KB to GL (ft): 15'

RKB (ft): 5,269' Objectives: P&A existing perfs & add Cutler perfs

Author-Version-Date: W. Lowry - Version 1 - 08 September 2008 Depth (ft) Hole Casing and Perforations Tops Cement 11" 3M Wellhead 100' BGL Quaternary Alluvium at Surface 16" conductor 14" Drill w/ air and air hammer Cement Surface Casing w/ 367 sxs of Class Hole G, 2% Cacl2, 1/4# celo @ 600 psi. Surface: 8 5/8" 24# J55 STC (0 - 505') Mancos Shale @ 857' Ferron Sandstone @ 1933' Juana Lopez @ 2193' Dakota Silt @ 2534' Dakota Sand @ 2695' Morrison @ 2867' (Top of the Jurassic) Summerville @ 3354' Moab Tongue @ 3680' Entrada @ 3775' 7-7/8" Hole Carmel @ 4201' Navaio @ 4326 Wingate @ 4817' Chinle @ 5165' DV tool @ 5512'. Previously found @ 5465' and drilled out. Moenkopi @ 5378' Proposed Cutler Perforations f/ 5962'-5982' Cutler @ 5964* Cement casing w/ 856 sxs, 192 bbls., 50-50 poz Class G w/ 3% CaCl2 + .25 #sx cello flake + .4 #X/sx. Kol seal + 5% FL52 + 2% bentonite + H2O. Plug bumped w/ 202 bbls displaced @ 1000 psi. Float held 15 minutes. Open DV tool Proposed P&A Procedure: Set cement retainer at ~ 6850'. Squeeze approximately @ 5512". Circulate through DV tool. Cement 2nd stage w/ Lead of 510 sxs, 188 bbls., Premium Lite II + 5#/sx CSE + 20 sx (100+') Class 'G' cement + 2% CaCl2 mixed @ 15.6 ppg with a yield of 1.08 .25 #/sx cello flake + 3 #X/sx. Kol seal + 1.5% NA cf/sx below retainer to P&A existing Cutler perfs from 6858'- 6868'. Dump ~ 3 sx metasilicate + 6% bentonite + H2O. Tali of 140 axs, 31 bbis., 50-50 Poz Class G + 3% CaCL2 + .25#/sx cello flake + .4 #/sx kol seal + 5% FL52 + 2% bentonite + H2O. Plug cement on top of retainer. Existing Cutler Perforations f/ 6858'-6868'
.43" holes, 40 shots w/ 43" penetration. 4 shots/ft. bumped w/ 128 bbls displaced @ 1500 psi. Float held 15 Set RBP @ 8173'. Dump 1 sx 40/50 sand on RBP, top of sand 8163'. **RU Phoenix Surveys electric** Perforated 8206' to 8222'. 64 holes, 0.43" holes, 43" penetration loggers. Running Induction, Density Neutron, Gamma Ray, Set RBP @ 8393' KB. Dump 2 sx 40/50 sand (15' fill) on RBP. Caliper, SP, Sonic and Micro logs. Previously P&A'd Perforations f/ 8446' to 8476' w/ 4 shots per foot w/ 0.43" jets 43" penetration. Total of 120 holes. 8682' PBTD Production Casing: 5 1/2" 17.0 #/ft L80 LTC @ 8690' TD 8700' MD, TVD 8700' MD

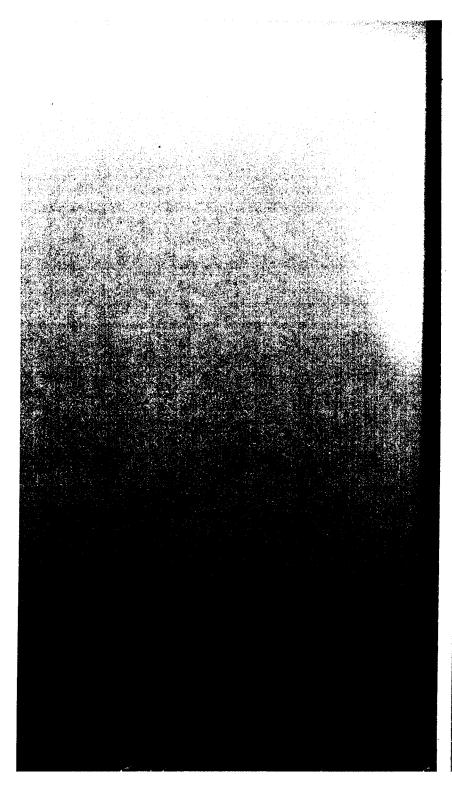
APPROVALS

repared By:

08 September 2008

Approved By:

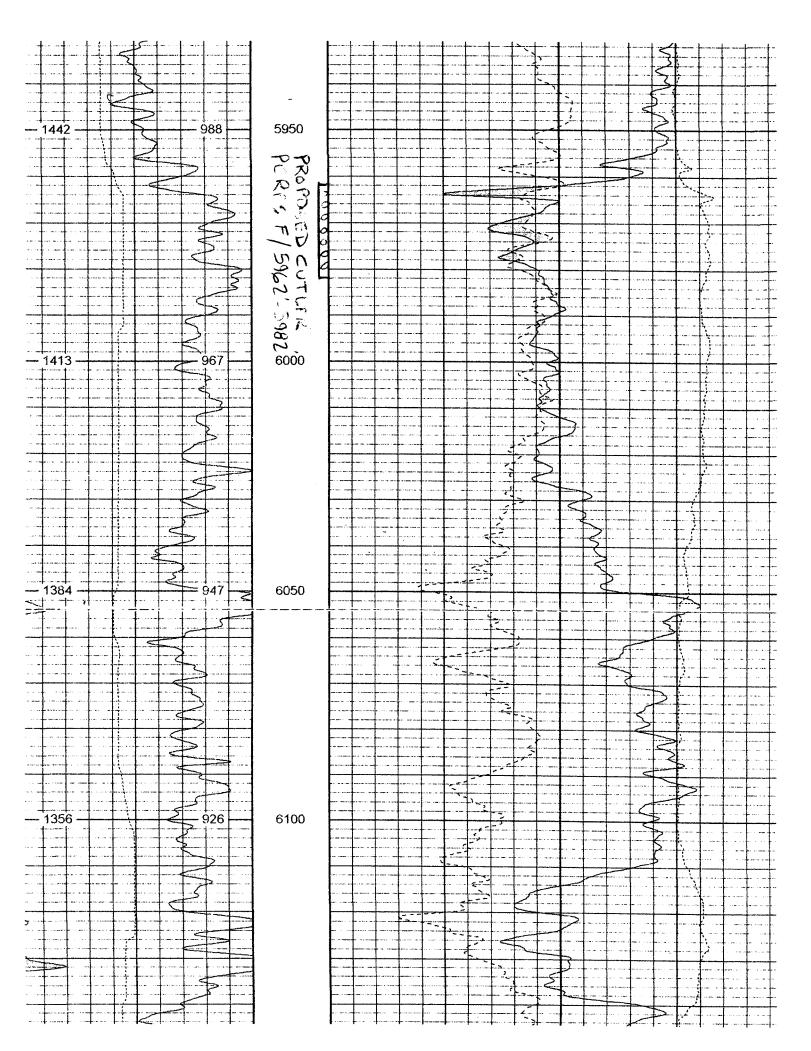
Walter D. Lowry

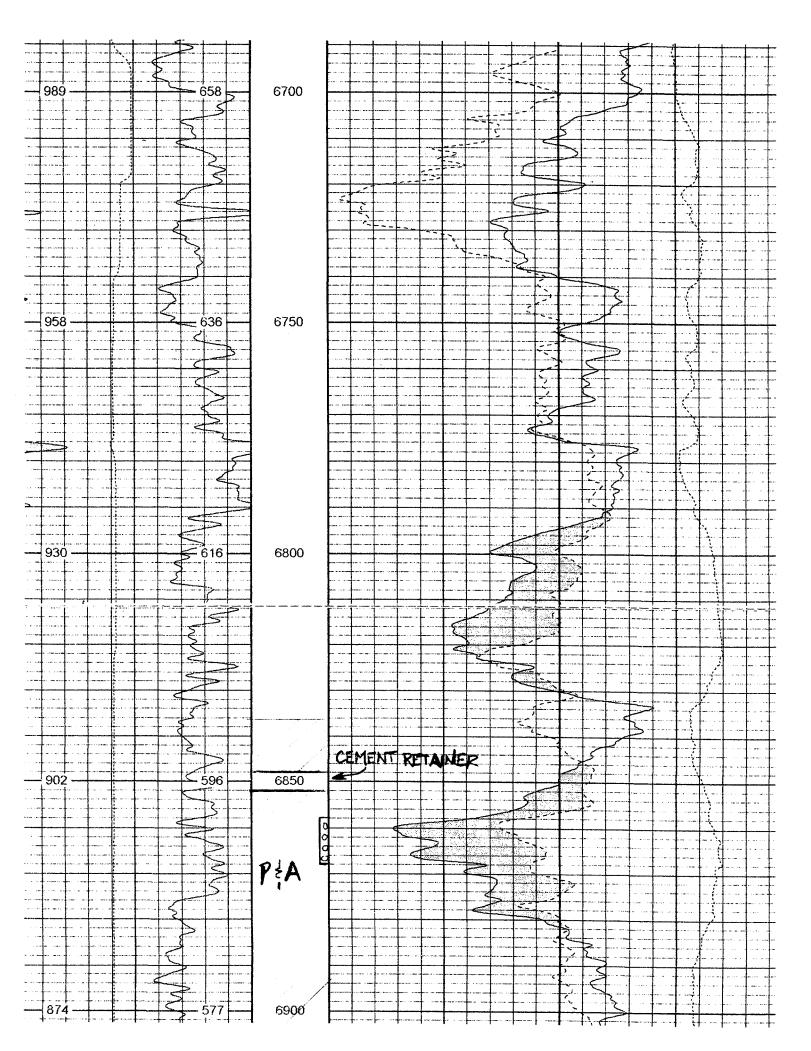




COMPENSATED DENSITY COMPENSATED NEUTRON GAMMA RAY

	Company	MSC Explo	oration L.P.		
0. 7	Vell	State MSC	!!! Tight Hole		
Company MSC Exp. L.P. Well State MSC 16-1 Field Wildcat County Grand State Utah	Field	Wildcat		_	
1 3 x 1		_			·
MSC E State N Wildca Grand Utah	County	Grand	State	Utah)
Sta Sta Ora	ocation	API # 43-0	19-31401		Other Services
2		1270' FNL 8	ፄ 800' FEL		Induction
pa _ tr e		NE I	VF.		Sonic
Compa Well Field County State			21S, Rge - 20E		00:110
OSLOG		3ec - 10, 1Wp -			Elevation
Permanent Datum	G.L.	Ele	vation 5254'		K.B. 5269
Log Measured From	K.B.				D.F. 5268'
Drilling Measured From	K.B.				G.L. 5254'
Date		June 9, 2004	!!! Tight Hole !!!		
Run Number		1		;	
Depth Driller		8700'			National Address of the Control of the second second
Depth Logger		8698'			
Bottom Logged Interval		8678'			
Top Log Interval		Casing			
Casing Driller		8-5/8" @ 505'			
Casing Logger		505'		· · · · · · · · · · · · · · · · · · ·	
Bit Size		7.875	· · · · · · · · · · · · · · · · · · ·		
Type Fluid in Hole		KCL - Poly			
Density / Viscosity		9.2 / 58	III Tight Hole III		
pH / Fluid Loss		9.2 / 5.8			
Source of Sample		Mudpit	; photocol softenings and or defining his population or consiste discussion and	-	m. manufactures demonstrate and consequence
Rm @ Meas. Temp		.73 @ 96° F			
Rmf @ Meas. Temp		.59 @ 96° F			e e marcine de la marcine de l
Rmc @ Meas Temp		.98 @ 96° F		a and sumaturally of the same and assessed assess	
Source of Rmf / Rmc		Calc / Calc.		·	
Rm@BHT		.45 @ 168 F			
Time Circulation Stopped		1400			
Time Logger on Bottom		2130 168¹ F			
Maximum Recorded Tempe	rature	4)57			
Equipment Number Location		Roosevell, UT	III Tight Hole III	·	
COURTOR		TOODS FOIL, UT	i in the troid !!!	1	





STATE OF LITAH

5/2000)

	DEPARTMENT OF NATURA	L RESOURCES		
	DIVISION OF OIL, GAS	AND MINING		5 LEASE DESIGNATION AND SERIAL NUMBER: ML-46760
SUNDRY	NOTICES AND RE	PORTS ON W	/ELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill r drill horizontal l	new wells, significantly deepen existing waterals. Use APPLICATION FOR PERM			7. UNIT OF CA AGREEMENT NAME: NA
1. TYPE OF WELL OIL WELL	GAS WELL	OTHER Dry Hole		8. WELL NAME and NUMBER: State MSC 16-1
2. NAME OF OPERATOR: NAE, LLC				9. API NUMBER: 4301931401
3. ADDRESS OF OPERATOR:			PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
110 16th Street, Ste 1220 4 LOCATION OF WELL	Denver	CO 80202	(303) 327-7169	Wildcat
FOOTAGES AT SURFACE: 1270'	FNL & 800' FEL			COUNTY: Grand
QTR/QTR, SECTION, TOWNSHIP, RAI	NGE, MERIDIAN: NENE 16	21S 20E		STATE: UTAH
11. CHECK APP	ROPRIATE BOXES TO	INDICATE NATU	RE OF NOTICE, REP	ORT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEE	PEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRAG	CTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start.	CASING REPAIR	NEW	CONSTRUCTION	TEMPORARILY ABANDON
9/17/2008	CHANGE TO PREVIOUS PLA	NS OPE	RATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	✓ PLUC	S AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME	☐ PLUC	G BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS		DUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING F			
		<u></u>	AMATION OF WELL SITE	OTHER:
	OMPLETED OPERATIONS. Clea		OMPLETE - DIFFERENT FORMATIO	
perfs, across DV tool and of 1.08 cf/sx (121 cu ft or neat mixed at 15.6 ppg w 450'-550' (100'). Plug to surface from 0'-100' (100')	l above Chinle top from 5 ~ 112 sx). Set P&A plug l/ a yield of 1.08 cf/sx (13 be Class 'G' neat mixed 0'). Plug to be Class 'G' r nulus from 0'-100' (100')	5100' to 6028' (92 g across top of Ju g cu ft or ~ 12 sx). at 15.6 ppg w/ a neat mixed at 15.6 . Plug to be Clas	28'). Plug to be Class '6' rassic Top from 2800'-2 Set P&A plug across selected of 1.08 cf/sx (13 cf/spg w/ a yield of 1.08 cf/s (15.6') s 'G' neat mixed at 15.6'	cu ft or ~ 12 sx). Set P&A plug at cf/sx (13 cu ft or ~ 12 sx). Set P&A ppg w/ a yield of 1.08 cf/sx (19 cu ft
NAME (PLEASE PRINT) Walter 1.0	owry		Manager of Op	erations & Engineering
SIGNATURE W	ory		DATE 9/16/2008	
	- APPROVED	BY THE ST	ATE	BECEIVED
This space for State use only)	OFUTAH	DIVISION C)F	E E Lean Wheen E W Brees No.
	OIL. GAS.	AND, MININ	IG	SEP 16 2008
	DATE SY	6108		_
5/2000)	11 1 - 1	tio isee Instruction Son Be	gerseside) (Attache	DIV. OF OIL, GAS & MINING

State MSC 16-1 **Proposed P&A Schematic**

Well: State MSC 16-1

Well Type: Vertical Cutler Well

API Number: 43-019-31401 Surface Location: 1270' FNL & 800' FEL

Bottom Hole Location: 1270' FNL & 800' FEL

Total Depth: 8700'

Prepared By:

Walter D. Lowry

REVISED wdl 09-16-08

S-T-R: Sec 16-T21S-R20E API Number: 43-019-31401 Lease Number: ML-46760 Elevation (ft): 5,254 KB to GL (ft): 15' RKB (ft): 5,269'

Objectives: P&A existing perfs & add Cutler perfs

Proposed Work Date: 16 September 2008 Author-Version-Date: W. Lowry - Version 1 - 16 September 2008 Formation Depth (ft) Casing and Cement Perforations Tops 11" 3M Wellhead Quaternary Alluvium at Surface 100' BG 16" conductor Proposed P&A Operation: As discussed w/ Dustin Doucet of the Proposed P&A Operation: As discussed w/ State of Utah DOGM - Set P&A plug in 5-1/2" x 8-5/8" annulus from 0'-Dustin Doucet of the State of Utah DOGM -100' (100'). Plug to be Class 'G' neat mixed at 15.6 ppg w/ a yield of 1.08 cf/sx (19 cu ft or \sim 18 sx). Cut off casing 3' BGL. Weld on dry Set P&A plug at surface from 0'-100' (100'). Plug to be Class 'G' neat mixed at 15.6 ppg hole marker. Pull cellar ring. Fill cellar. Reclaim location. w/ a yield of 1.08 cf/sx (13 cu ft or ~ 12 sx). Surface: 8 5/8" 24# J55 STC (0 - 505') Proposed P&A Operation: As discussed w/ Dustin Doucet of the State of Utah DOGM -Mancos Shale @ 857' Set P&A plug across surface casing shoe from 450'-550' (100'). Plug to be Class 'G' neat mixed at 15.6 ppg w/ a yield of 1.08 cf/sx (13 cu ft or ~ 12 sx). Ferron Sandstone @ 1933' Juana Lopez @ 2193 Dakota Silt @ 2534' TOC @ 2840' per CBL. Proposed P&A Operation: As discussed w/ Dakota Sand @ 2695' Dustin Doucet of the State of Utah DOGM -Set P&A plug across top of Jurassic Top from 2800'-2900' (100'). Plug to be Class 'G' Morrison @ 2867' (Top of the Jurassic) neat mixed at 15.6 ppg w/ a yield of 1.08 cf/sx Summerville @ 3354 (13 cu ft or ~ 12 sx). Moab Tongue @ 3680* Entrada @ 3775' 7-7/8" Hole Carmel @ 4201' Navaio @ 4326' Kaventa @ 4633 Wingate @ 4817' Chinle @ 5165' Proposed P&A Operation: As discussed w/ Dustin Doucet of the State of DV tool @ 5512'. Previously found @ 5465' and drilled out. Utah DOGM - Set P&A plug across existing Cutler perfs, across DV tool Moenkopi @ 5378 and above Chinle top from 5100' to 6028' (928'). Plug to be Class 'G' neat mixed at 15.6 ppg w/ a yield of 1.08 cf/sx (121 cu ft or ~ 112 sx). Cutler Perforations f/ 5962'-5978' Cutler @ 5964' Actual P&A Operation: Set cement retainer at 6850'. Unable to squeeze cement below the retainer. Place 129' of Class 'G' cement mixed @ 15.6 ppg with a yield of 1.08 cf/sx on top of retainer to P&A existing Cutler perfs from 6858'- 6868'. Existing Cutler Perforations f/ 6858'-6868'
.43" holes, 40 shots w/ 43" penetration. 4 shots/ft. Set RBP @ 8173'. Dump 1 sx 40/50 sand on RBP, top of sand 8163'. Perforated 8206' to 8222'. 64 holes, 0.43" holes, 43" penetration Set RBP @ 8393' KB. Dump 2 sx 40/50 sand (15' fill) on RBP. Previously P&A'd Perforations f/ 8446' to 8476' w/ 4 shots per foot w/ 8682' PBTD 0.43" jets 43" penetration. Total of 120 holes. Production Casing: 5 1/2" 17.0 #/ft L80 LTC @ 8690" TD 8700' MD. TVD 8700' MD WA Bonn APPROVALS 16 September 2008

Approved By:



State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL

Well Name and Number:

State MSC 16-1

API Number:

43-019-31401

Operator:

NAE, LLC

Reference Document:

Original Sundry Notice dated September 16, 2008,

received by DOGM on September 16, 2008.

Approval Conditions:

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
- 2. Surface reclamation shall be done in accordance with R649-3-34 Well Site Restoration. Evidence of compliance with this rule should be supplied to the Division upon completion of reclamation.
- 3. All annuli shall be cemented from a minimum depth of 100' to the surface.
- 4. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
- 5. If there are any changes to the plugging procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.
- 6. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet Petroleum Engineer <u>September 16, 2008</u>

Date



9/16/2	2008		Wellk	ore Diag	ram				r263
A	API Well	No: 43-019-31401-00-00	Permit No:		Well Nam	e/No: STA	TE MSC 16-	1	
(Company	Name: NAE, LLC							
		Sec: 16 T: 21S R: 20E Sp	ot: NENE	String Info	rmation				
		tes: X: 612066 Y: 4316137			Bottom	Diameter	Weight	Length	Capacit
		ne: WILDCAT		String	(ft sub)	(inches)	(lb/ft)	(ft)	Capacit (f/cf)
		ame: GRAND		HOLI	100	20			
•	Lounty IN	-	C 3 5	COND	100	16			
	П	Plan	= 1001 VO.K	HOL2	505	12.25			
		17.84	- 100 Vair	SURF	505	8.625	24	505	
		Conductor: 16 in. @ 100 ft.	O.K	•	8690	7.875			
		Hole: 20 in. @ 100 ft.		PROD	8690	5.5	17	8690	7-661
		Cement from 505 ft. to surface		T1	6750	2.875			
470(Surface: 8.625 in. @ 505 ft.							
-()-	1XII-	Hole: 12.25 in. @ 505 ft.							
550	f }}	P(Ug# 3	OVOV						
570		1251=	0.7						
am'									
857 MANGS				Cement Inf					
INCKIO 0>		P(ugtt 2 (129x)(1.08)(7.		String	BOC	TOC	Closs	Sooks	
		Program	1001-700	PROD	(ft sub) 8690	(ft sub) 2884	Class	Sacks 1506	
Sylastic.		(12st)(1.08)(t)	661) - 100	SURF	505	0	G G	367	
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2074 -		0							
2567 2567	IM.	, ,							
286t morns	N L	609							
		100' D. 11		Perforation	Informati	on			
51651	1117	(1125x) (1.08) (7.6		Тор	Bottom				
5165' cunte		1 100	N=9716/	(ft sub)	(ft sub)	Shts/	Ft No Sh	ts Dt Squ	eeze
-7761	11/11	(1125x) (1.08) (+6	61)- (20/	6858	6868				
MURAKAP!	- I M I		Der.	8206	8476				
MURNUAPI DWOSHUS	4		TOCE 5100	· ·					
MESTE	4111		· -						
,		5962							
5964' C utler									
E UTIEN		5 978							
6794		Cement from 8690 ft. to 2884 ft.		Formation 1		n			
exesting		Γubing: 2.875 in. @ 6750 ft.		Formation	-				
6850		C&58 ¹		DKTA	2837				
6820		.6888		CRTS CARM	3680 4200				
7	-	6380		NAVA	4322				
7056	~			WINGT	4823				
RBPE				CHIN	5079				
8173	F	Production: 5.5 in. @ 8690 ft.		CTLR	5964				
_		§ 20 6 Hole: 7.875 in. @ 8690 ft.		PENN	7056				
RBPC	1	Hole: Unknown							
83931		8476'							
	TD:	8700 TVD: 8700 PBT	D : 8173						
	ID:	0700 IVD: 8/00 PBI	۵۱/3						



State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA Division Director

September 29, 2008

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6343

Mr. Walter Lowry North American Exploration, LLC 110 16th Street, STE# 1220 Denver, CO 80202

213 ZOE 16

Re:

State 21-19 (32-16D) API 43-019-31399; State MSC 16-1 API 43-019-31401;

Cactus Rose MSC 2-1 API 43-019-31402; State MSC 35-1 API 43-019-31404;

N Thompson 2-1 API 43-019-31412

Extended Shut-in and Temporarily Abandoned Requirements for Wells on Fee or State Leases

Dear Mr. Lowry:

North American Exploration, LLC has five (5) Mineral Lease Wells (see Attachment A) that are currently in non-compliance for extended shut-in and temporary abandonment (SI/TA) status. It is understood that a couple of these wells have been or will be plugged shortly. Wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

For extended SI/TA consideration the operator shall provide the Division with the following:

- 1. Reasons for SI/TA of the well (R649-3-36-1.1).
- 2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and



Page 2 September 29, 2008 Mr. Lowry

3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3)

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).

- 1. Wellbore diagram, and
- 2. Copy of recent casing pressure test, and
- 3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
- 4. Fluid level in the wellbore, and
- 5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions will be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,

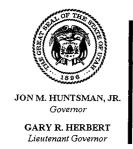
Dustin K. Doucet Petroleum Engineer

JP/js Enclosure

cc: Jim Davis, SITLA Compliance File Well File

Attachment A

	Well Name	API	Lease Type	Years Inactive
1	STATE 21-19 (32-16D)	43-019-31399	ML-47441	4 Years 11 Months
2	STATE MSC 16-1	43-019-31401	ML-46760	3 Years 9 Months
3	CACTUS ROSE MSC 2-1	43-019-31402	ML-47721	2 Years 9 Months
4	STATE MSC 35-1	43-019-31404	ML-47576	3 Years 5 Months
5	N THOMPSON 2-1	43-019-31412	ML-46759	3 Years 10 Months



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA Division Director

February 23, 2009

CERTIFIED MAIL NO.: 7005 0390 0000 7507 4238

Mr. Walter Lowry North American Exploration, LLC 110 16th Street, STE# 1220 Denver, CO 80202

215

1DE

Subject: SECOND NOTICE: Extended Shut-in and Temporarily Abandoned Requirements for

Wells on Fee or State Leases

State 21-19 (32-16D) API 43-019-31399; State MSC 16-1 API 43-019-31401; Cactus Rose MSC 2-1 API 43-019-31402; State MSC 35-1 API 43-019-31404;

N Thompson 2-1 API 43-019-31412

Dear Mr. Lowry:

North American Exploration, LLC ("NAE") has five (5) Mineral Lease Wells (see Attachment A) that are currently in non-compliance for extended shut-in and temporary abandonment (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

Based on a sundry dated February 13, 2008 it was understood by the Division that NAE would be "assuming all plugging and reclamation liabilities" for the above listed wells. The N THOMPSON 2-1 well had a sundry dated July 18, 2008 with intent to plug and abandon (P&A). Condition of approval to P&A was sent to NAE July 22, 2008. The STATE 21-19 (32-16D) also had a sundry dated August 22, 2008 with intent to P&A. Condition of approval to plug this well was sent September 3, 2008. A notice of SI/TA status for wells listed (Attachment A) was sent via certified mail September 29, 2008. To date the Division has no record of the proposed work being done on these wells, nor received any such correspondence addressing the issue. Please address this matter promptly.

Page 2 North American Exploration, LLC February 23, 2009

For extended SI/TA consideration the operator shall provide the Division with the following:

- 1. Reasons for SI/TA of the well (R649-3-36-1.1).
- 2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
- 3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3)

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).

- 1. Wellbore diagram, and
- 2. Copy of recent casing pressure test, and
- 3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
- 4. Fluid level in the wellbore, and
- 5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, a notice of violation will be issued. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely.

Dustin K. Doucet Petroleum Engineer

DKD/JP/js Enclosure

cc: Jim Davis, SITLA
Compliance File
Well File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

Attachment A

	Well Name	API	Lease Type	Years Inactive
1	STATE 21-19 (32-16D)	43-019-31399	ML-47441	5 Years 3 Months
2	STATE MSC 16-1	43-019-31401	ML-46760	4 Years 2 Months
3	CACTUS ROSE MSC 2-1	43-019-31402	ML-47721	3 Years 2 Months
4	STATE MSC 35-1	43-019-31404	ML-47576	3 Years 10 Months
5	N THOMPSON 2-1	43-019-31412	ML-46759	4 Years 3 Months

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-46759		
SUNDRY	NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	w wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to erais. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL OIL WELL	8. WELL NAME and NUMBER: State MSC 16-1		
2. NAME OF OPERATOR: NAE LLC		9. API NUMBER: 4301931401	
ADDRESS OF OPERATOR: 16800 Imperial Valley Dr., Str _{CITY}	Houston STATE TX ZIP 77060 PHONE NUMBER: (281) 931-8933	10. FIELD AND POOL, OR WILDCAT: Wildcat	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1270 F	NL & 800 FEL	соилту: Grand	
QTR/QTR, SECTION, TOWNSHIP, RANG	e, MERIDIAN: NENE 16 21S 20E	STATE: UTAH	
11. CHECK APPR	OPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION		
NOTICE OF INTENT	ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION	
(Submit in Duplicate)	ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL	
Approximate date work will start:	CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON	
	CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR	
✓ SUBSEQUENT REPORT	CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE	
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME PLUG BACK	WATER DISPOSAL	
Date of work completion:	CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF	
7/30/2008	COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:	
	CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION		
*SEE ATTACHED P&A RE	MPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volum	RECEIVED	
		NEOLIVED	
		MAR 2 5 2009	
		DIV. OF OIL, GAS & MINING	
NAME (PLEASE PRINT)	Frust TITLE agent	-09	

(This space for State use only)

NORTH AMERICAN EXPLORATION

				Daily Operations Report			
Supervisor	MSC STA				Date DFS DOL	129/20	/19/2008
Daily Cost Cum Cost		\$46,950.00 154,900.00	ļ		MD PBTD		
		10 1,000.00	J	General	. 5.5		
Current Statu	•	WELL PLU	IGGED	Concra			
Current Statu	5	VVELLFLO	JGGED	·			
24 Hr Summa	iry			PLUGS, CUT OFF WELL HEAD BART KETTLE W/ UTAH T WATER SAMOLE IN TO FARMING TON AND DUNCAN			9
		ON LOCA	HON SEN	WATER SAIVICLE IN TO PARIVING TON AND DONCAR	FORF	NILOI	<u> </u>
24 Hr Foreca	st	WELD ON	DRU HOL	E MARKER			
Comments							
				Time Summary			
Step Depth	From	То	Duration	Operation	Phase	Class	OpCode
				TAG CEMENT @ 4817' TOOH TO 2900'			
				MIX AND PUMP 3 .3 BBLS CEMENT COVER FROM 2902' TO 2772'			
				TOOH TO 2600' REVERSE OUT			İ
				CENT 3.3 BBLS CLASS G YEILD 1.18 15 SXS			
				WAIT 2 HRS TOOH TO 569'		·	
				PUMP 3.8 BBLS CENT PUMP 2 BBLS SPACER	-		
İ				COVER FROM 569; TO 400'			
				CEMENT 3.8 BBLS CLASS G YEILD 1.18 15.6# 19SXS			
				TOOH TO 129' PUMP 3.5 BBLS CENT			
				TOOH TO SURFACE, COVER FROM 126' TO SURFACE			
				35 BBLS CENT YEILD 1.18 15.6# 15 SXS			
				CUT OFF WELL HEAD			
				RUN 1" PIPE IN SURFACE COULD NOT GO BEYOND 15'			
				PUMP 8.6 BBLS TO SURFACE CLEAN UP RIG DOWN EQUIPMENT			
				RELEASED ALL EQUIPMENT @ 5:30 PM			
1				MOVE EQUIPMENT OFF LOCATION			
				SENT WORK STRING BACK TO FARMINTON			
j			0.00	MOVED 113 JOINTS INSPECTED YELLOW BAND TBG TO			
				CECIL GUSTINSYARD			
				02012 0001111011110			
			0.00				1
			0.00				
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			5.50				
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			0.00				

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Total Time Summary

Daily Costs

		· · · · · · · · · · · · · · · · · · ·	,	_		
C/O	Class/Code/Sub	Details	Qty	Cost/Qty	Cost	Vendor
x		WELL SITE SUPERVISION	\$1.00	1200	\$1,200.00	UP FRONT
		RIG COST	1	\$5,000.00	\$5,000.00	PRO
		WATER	1	\$1,500.00	\$1,500.00	CASCADE
x		TBG RENT	1	\$750.00	\$750.0 0	HITECH
x		CEMENT	1	\$35,000.00		HALLIBURTON
X		WELDER CUT OFF WELL HEAD		\$1,250.00	\$0.0 0	CECIL GUSTON
x		TRUCKING RIG MOVE	. 1	\$3,500.00	\$3,500.0 0	ECLISPE
x		TOOL RENTAL			\$0. 00	
x		PERFORATING			\$0.00	I
X		TRUCKING RETURN TBG	1	\$3,000.00	\$3,000.0	3000
		TBG RENT	1	-\$3,000.00	-\$3,000.0 0	
					\$0.00	
		,			\$0.00	
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				•	\$0.00	
				·	\$0.00	
·					\$0.00	
			To	otal Daily Cost	\$46,950.00	

•	Re	marks		
		-		
			· .	

NORTH AMERICAN EXPLORATION

					Daily	Operations	Report					
Well N Super		MSC STA	TE 16-1							Date DFS DOL	g	0/19/2008
Daily (\$	\$10,950.00 107,950.00							MD PBTD		11
	•			-		General						
Curre	nt Statu	S	upper cutle	er plugged								
24 Hr	Summa	ıry	SWAB WE		ON HALLIE	BURTON, M	RU CEMEN	ITERS, CE	MENT OV	ER PER	FS IN	
24 Hr	Forecas	st	PLUG WE	LL			,					
Comm	nents											
				<u> </u>	Tir	ne Summ	ary		<u> </u>		<u>l</u>	<u> </u>
Step	Depth	From	То	Duration			Operation			Phase	Class	OpCode
				0.00	PUMP 130 BE MIRU HALIBU PUMP 25 BBL	, CATCH SAMF BLS 6.5 %KCL I URTON LS FRESH WA' CEMENT, CEI	ROM 6028' GE TER,					
			•	0.00	TOOH TO 550 PUMP 12.6 B TOOH TO 480	DO' REVERSE BLS CEMENT DO' REVERSE (JG CEMENTED	OUT 58 SXS OUT CLEAN UF					
					SHUT DOWN	WAIT ON CEN		1:00 PM			·	
				0.00				-				
				0.00								
				0.00								

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0.00

0.00

Total Time Summary

Daily Costs

C/O	Class/Code/Sub	Details	Qty	Cost/Qty	Cost	Vendor
х		WELL SITE SUPERVISION	\$1.00	. 1200		UP FRONT
		RIG COST	1	\$7,500.00		
		WATER	1	\$1,500.00		CASCADE
х		TBG RENT	1	\$750.00	\$750.0 0	HITECH
x		CEMENT			.0 0	HALLIBURTON
x		WELDER CUT OFF WELL HEAD			\$0.00	CECIL GUSTON
x		TRUCKING RIG MOVE			\$ 0. 00	CASCADE
x		TOOL RENTAL			\$0. 00	
x		PERFORATING			\$0.00	
x					\$0.00	
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	_		T	otal Daily Cost	⁶ \$10,950.00	

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-46760
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME: NA.
1. TYPE OF WELL OIL WELL GAS WELL OTHER Dry Hole	8. WELL NAME and NUMBER: State MSC 16-1
2. NAME OF OPERATOR:	9. API NUMBER:
NAE, LLC 3. ADDRESS OF OPERATOR: 1 PHONE NUMBER:	4301931401 10. FIELD AND POOL, OR WILDCAT:
3. ADDRESS OF OPERATOR: 110 16th St., Suite 1220 OPERATOR: 110 16th St., Suite 1220 OPERATOR: STATE CO STATE CO STATE (303) 327-7169	Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1270' FNL & 800' FEL	county: Grand
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NEN 16 21S 20E	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:
8/19/2008 CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume	nes, etc.
On 08/19/2008, NAE P&A's this well according to revisions made by Dustin Doucet to NAE following cement plugs were set in the well. All plugs were mixed at a density of 15.6 ppg, of Class G neat cement. (see the attached Actual P&A Diagram for visual representation of Plug #1: Set Plug #1 120 sx of cement (141 cf) from 4817' to 6028' across the existing Cut and above the DV Tool at 6028'. Circulate 9.3 ppg gelled FW between plugs. Plug #2: Set Plug #2 17 sx of cement (20 cf) from 2772' to 2902' across the top of the Jura Top at 2867'). Circulate 9.3 ppg gelled FW above this plug to surface. Plug #3: Set Plug #3 23 sx of cement (27cf) from 400' to 569' across the surface casing sh FW above this plug to surface. Plug #4: Set Plug #4 15 sx cement (18 cf) from 129' to surface as the surface plug. Plug #5: Set Plug #5 53 sx cement (62 cf) in the annulus between the 8-5/8" surface casing cement stayed at the surface. The casings were cut of ~3' BGL and a dryhole marker was welded to the casing with pertir The cellar ring was pulled, and the location was prepared for reclamation operations Subsequent to P&A operations, and during the last week of September, 2008, the State M reseeded according to the Surface Use Plan and the Conditions of Approval attached to the	a yield of 1.18 cf/sx, and consisted of the plugs). Her perfs (5962'-5978') and across assic formation (Morrison Formation oe at 505'. Circulate 9.3 ppg gelled g and 5-1/2" production string until ment and required well information, SC 16-1 location was reclaimed and
NAME (PLEASE PRINT) Walter Lowry TITLE Consultant	
4/20/2009	
SIGNATURE DATE 4720/2008	
(This space for State use only)	RECEIVED 3

(See Instructions on Reverse Side)

MAY 19 2009

State MSC 16-1 Actual P&A Diagram

N©RTH AMERICAN

Well: State MSC 16-1
Well Type: Vertical Cutter Well
API Number: 43-019-31401
Surface Location: 1270 FNL & 800' FEL
Bottom Hole Location: 1270 FNL & 800' FEL

Total Depth: 8700'

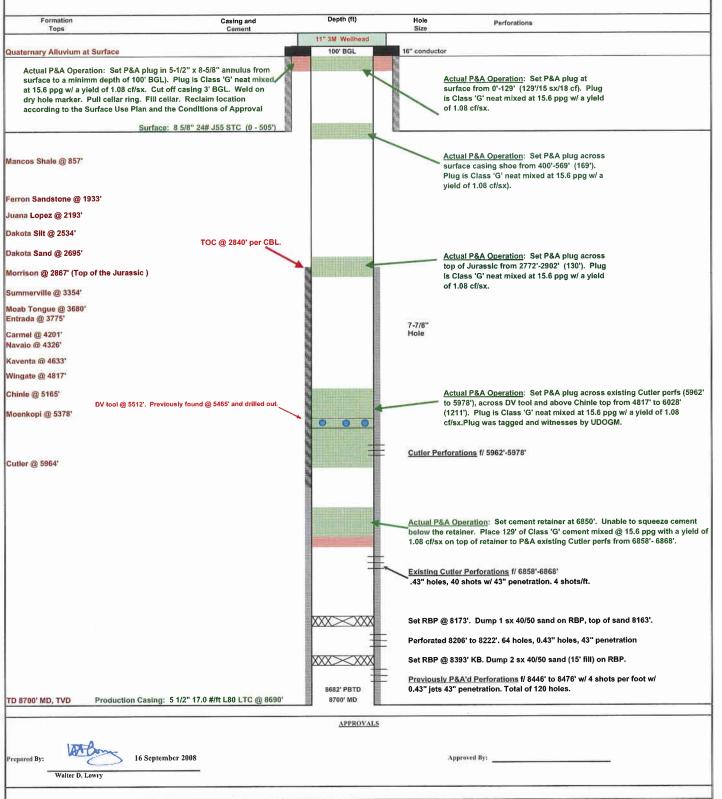
Proposed Work Date: 16 September 2008

Author-Version-Date: W. Lowry - Version 1 - 16 September 2008

S-T-R: Sec 16-T21S-R20E API Number: 43-019-31401 Lease Number: ML-46760 Elevation (ft): 5,254' KB to GL (ft): 15'

(B to GL (ft): 15' RKB (ft): 5,269'

Objectives: Plug and Abandon Wellbore





Well Name: State MSC 16-1

AFE: Maintenance 002

Operator: North American Exploration, LLC

Daily Activity Summary

Field: Wildcat

County/Parish/State: Grand/Utah

Contractor:

Date: 5/8/2009

10/15/2008

DAILY SUMMARY

Present Operations:

Days From Spud: 1611

Present Depth:

Footage Last 24 Hours: 0.00

Hours Drilling:

Daily Well Cost: \$0.00

Cumulative Well Cost: \$159,690.00

24 hr Activity:

9/18/2008

SD waiting on plug and abandon operations scheduled for Friday, September 19, 2008. Received approval of proposed plug and abandon procedure from Dustin Doucet of the State of Utah DOGM on Tuesday, September 16, 2008 at 1813 hours via email. See the attachments uploaded in the Staff Files section of the NeoFirma reporting system for copies of the Proposed Plug and Abandon Schematic and the written approval from the State of Utah DOGM. AFE for plug and abandon of existing Cutler perfs from 6858'- 6868', adding perfs to Upper Cutler, and testing well is \$122,005. For this operation to date, from its commencement on September 5, 2008, the field estimated cost is \$80,540. Tomorrow we plan to plug and abandon the entire well pursuant to the schematic in the "Staff Files" tab under "Wells" in NeoFirma.

9/17/2008

Arrive on location @ 0600 hrs. Held safety meeting- handling gas. Found initial fluid level at 5500'. Make 17 swab runs. Recover 35 bbls. Total recovery from Cutler perfs from 5962'-5978' is 121 bbls of formation fluid. Obtain 5 gallon sample of formation fluid and send off for analysis. Fluid level remained at 5500' throughout swabbing operation (208 psi of hydrostatic on top perf). No shows of oil and no gas present. SD until Friday for P&A operations.

9/16/2008

Arrive on location at 0600 hours. Held safety meeting- swabbing operations. Found FL @ 4800' again. Make 12 swab runs and swab well down to 5500'. Make 12 more swab runs and fluid level remained at 5500'. Revover 62 bbls formation fluid. Total recovery since perforating at 5962'- 5978' is 86 bbls. No shows of oil and no gas evident. SDFN.

9/15/2008

Arrive on location at 0600 hrs. Held safety meeting- perforating. TOOH w/ tubing. MIRU Weatherford. TIH w/ 3-1/8" carrier perf guns loaded at 3 spf 120 deg phasing from 5962'-5978' (48 holes) with a 0.42" EHD and 34" depth of penetration. All shots fired. TIH w/ tubing and RU to swab well. Found FL @ 4800' (700' of fluid entry after perforating). With FL at 4800' (1162' above top Cutler perf) the hydrostatic pressure (reservoir pressure) = 523 psi (no pressure at surface). Swab well down to 5500'. Recover 24 bbls of formation fluid + 6% KCl water. No show of hydrocarbons. SDFN.

9/14/2008

Shut down for Sunday.

9/13/2008

RU swab equipment. Swab well down to 5400'. Proposed new Cutler perfs from 5962'- 5978'. Want to perforate underbalanced. With 6% KCl water (8.65 ppg) 562' above the top proposed perf, the hydrostatic while perforating will be 253 psi. SDFN.

9/12/2008 No activity

Arrive on location at 0600 hours. Held safety meeting- pumping operations. MIRU Halliburton. Establish injection rate below cement retainer @ 4 bpm and 1825 psi. Pump 15 bbls. Shut down and WOO. Pressure too high to safely squeeze cement below the retainer. Receive verbal permission from Dustin Doucet of the State of Utah DOGM to place 100' of cement on top of retainer. Sting out of retainer. Pump 15 bbls of spacer. Pump 20 sx (~3 bbls or 25 cf) Class 'G' neat cement mixed at 15.6 ppg with a yield of 1.18 cf/sx. TOC at 6677'. TOOH to 6650. Reverse out excess cement from tubing. Left 6% KCl water from 6850' to surface. POOH w/ tubing. LD stinger. TIH to 6000'. SDFN.

9/10/2008 Arrive on location at 0600 hours. Held safety meeting- tripping and swabbing. Receive approval from Dustin Doucet of the State of Utah DOGM to P&A Cutler perfs from 6858'- 6868'. TIH w/ cement retainer. Set retainer at 6806'. Swab well to obtain water sample. Make 4 swab runs. Recover 24 bbls formation fluid. No oil. No gas. Obtain sample. Fluid level at 3100'. Circulate wellbore. SDFN.

9/9/2008 Wait on approval to P&A existing Cutler perfs from 6858-6868' from State of Utah DOGM.

9/8/2008 Shut down waiting on permission from State of Utah DOGM to P&A existing Cutler perfs.

9/7/2008 Shut down for weekend.

9/6/2008 Shut down for weekend.

9/5/2008 MIRU Professional Well Service #1.

8/18/2008 Arrive on location at 0600 hrs. RIH w/ sandline and tag fluid level at 5300'. POOH and LD tubing. ND BOPE. NU wellhead. RD Professional Well Service #1 and move rig to Federal MSC 26-1.

8/17/2008 Shut down for Sunday.

8/16/2008 Rig Repair. No supervision or rig charges for the day.

8/15/2008 Rig repair. Replace clutch. No supervision charges or rig charges for the day.

Arrive on location @ 0600 hrs. Hold safety meeting - fluid handling. Found FL @ 4000'. Had 500' of fluid entry into wellbore in 18 hrs. Finish TIH w/ rental tubing to 6000'. Lost clutch on rig. No rig time charged for today. SDFN and wait on mechanic to repair clutch. Sand line also need replaced. New sand line drum to be delivered on Monday and installed.

Arrive on location @ 0600 hrs. Hold safety meeting - tripping & swabbing. Finish PU 2-7/8" 8rd EUE N80 rental tubing and TIH to 6900. Make 13 swab runs and recover 90 bbls of fluid. Identify initial FL @ 500' from surface. Obtain sample of fluid after swabbing 1st 14 bbls and send to EnviroChem Analytical Labs and Halliburton Lab in Grand Junction for analysis. Swab cup stuck. Pulled out of rope socket. TOOH w/ tubing and recover swab cup. No apparent sand or tight spot. TIH w/ tubing to 3000'. FL @ 4500' when SDFN.

- 8/12/2008 Arrive on location @ 0600 hrs. Hold safety meeting rig move operations. MIRU Professional Well Service Rig #1. PU 3000' of 2-7/8" 8rd EUE N80 rental tubing and TIH. SDFN.
- 7/25/2008 Arrive on location at 0600 hrs. Hold safety meeting on handling tubulars. TOOH and LD rental tubing. RD Professional Well Service Rig #1. Secure well. Prepare to move rig to Thompson North 2-1 to plug and abandon.
- Arrive on location at 0600 hours. MU new Weatherford 40-arm caliper tool and TIH on wireline. Log up with casing inspection tool from 7760' to 500'. Verified perforations from 6858' 6868'. Found DV tool @ 5452' 5455'. Maximum recorded temperature 173°F. Casing looks to be in good shape for potential hydraulic fracturing operations. POOH w/ wireline. RD Weatherford. TIH w/ rental tubing. POOH laying down tubing. Rig broke down- tongs. SDFN. Will repair rig tonight and be ready to finish laying down tubing and release rig in the morning.
- Arrive on location at 0600 hours. Hold safety meeting re: wireline operations. Finish laying down tubing, casing scraper & bit. WO Weatherford Wireline truck. RU Weatherford. TIH w/ wireline and sinker bars. Tag RBP @ 8106'. POOH w/ wireline. PU Multi-Arm Caliper Tool (40-arm caliper) and TIH. Could not get logging tool to operate properly. POOH to repair/replace tool and SDFN.
- Arrive on location at 0600 hrs. Hold sfety meeting re: PU tubing and tubing handling. WO rental string of tubing. MU bit and 5.5" 17# casing scraper. PU and tally 235 jts of 2-7/8" tubing to 7400'. TOOH w/ 4800' of tubing. SDFN.
- 7/21/2008 Fill in rathole and mousehole, and level location. MIRU Professional Well Service Rig #1. Hold safety meeting with PWS crew regarding ND wellhead and NU BOPE. ND wellhead. NU & test 5M BOPE. Unset donut. POOH with 16 joints (~480') of 2-7/8" tubing. LD tubing.

<u>Plan of Operations</u>: PU rental string of 2-7/8" tubing. T1H with 5.5" 17 ppf casing scraper to ~7500'. RU Weatherford and run Multi-Sensor Caliper (MSC) tool to inspect casing and identify perforations.

NORTH AMERICAN EXPLORATION Daily Operations Report

Well I Supe		MSC STAT	E 16-1		}					Date DF\$ DOL		/21/200	
Daily Cost Cum Cost			S11,140,00 MD PBTD General										
Curre	nt Statu	s	MIRU ON	STATE 16	5-1	General							
24 Hr	Summa				-1, ND WH	NU BOPE, U	INSET DON	IUT TOOH	W/ 16 JOIN	TS TBG	, 2-7/8	SN	
24 Hr Forecasl Comments			2-7/8" XO TO 2-3/8" RECEIVE TBG TIH W/ SCRAPER, TOOH W/ TBG RUN CASING INSPECTION LOG										
											_		
001111	,,,,,,,												
Sten	Depth	From	То	Duration		me Summ	Operation			Phase	Class	OpCod	
ошр	ССР				patronic son minority	ROM CACTUS	ROSE TO TH	E STATE 116	1 LOCATION				
		7:00 AM	11:00 AM	537									
-					HOLD SAFE	TY MEETING N	IRU NOWIAN	U BOPE				-	
		11:00 AM	2:00 PM	6816									
					HARET DAN	UT. TOOH W/	IR IOINTS TRI	a		_	_		
		2:00 PM	3:00 PM	11.04		1001111	o source to						
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C/O	Class	/Code/Sub	WELL SITE:	Details	ē	Qty	Cost/Qty \$1,200.00	Cost	UP FRONT	Vene	tor		
			RIG COST RIG MOVE	CO ENTRO	211			54,500,00	PRO 1				
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NORTH AMERICAN EXPLORATION Daily Operations Report

Well N		MSC STAT		_						Date DFS	7	/22/2008 2 2	
Daily (23,240,00							DOL MD PBTD		2	
Curre	nt Statu	is	WELL SHL	IT IN W/ B	IT, SCRAPE	General R, 2500" Ti	BG IN WELL						
24 Hr	Summa	ary	PUMU BIT	UMU BIT .SCRAPER TALLY PU, TIH W/ 2-7/8" TBG TO 7400" TOOH W/ 4900" TBG SHUT DOWN DI									
24 Hr	Foreca	st	TOOH W/ TBG BIT AND SCRAPER, MIRU WEATHERFORD, WIRELINE RUN CASING LOGS										
Comm	nents												
				16	Tir	ne Summ				Dhono	ICtore I	OnCodo	
Step	Depth	From	То	Duration	ARRIVE ON L	OCATION , HO	Operation OLD SAFETY MI	ETING		Fnase	C1855	OpCode	
		6:00 AM	7:00 AM	71.04				-					
					WO TBG								
7:00 AM 8:30 AM				39:06									
					TBG TO 7400		IIT SUB, PU TA	LLY.TIH 235	JOINTS 2-7/0				
		8:30 AM	2:30 PM	0.25									
					TOOH W/ 490	O' TBG							
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		Total	lime Summary	0.42						_			
C/O	Class	s/Code/Sub	WELL SITE:	Details	ā	Daily Cost	Cost/Qty 51.200.00	Cost	UP FRONT	Ven	dor		
<u>*</u>			RIG COST TBG TRUCK	ING	200		\$4,500.00	(150) (121)(0)	PRO 1 ECLIPSE				
×			SET ANCHO	RS				\$0.00 \$0.00	CASCADE WESTERN /	WGER			
×			TBG RENTA	L		1	\$3,700.00	\$8.00 50.00	HITECH				
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						Remarks							
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NORTH AMERICAN EXPLORATION

Daily Operations Report

Well Name Supervisor Daily Cost	MSC STAT	\$1,480.00]	000000000000000000000000000000000000000				Date DFS DOL MD	7/23/2008 3 3	
Cum Cost	5	29,690.00			General				PBTD		
Current Sta	tus	WELL SHU	T IN								
24 Hr Sumr	mary	FINISH TRIPPING OUT, LAY DOWN BIT AND SCRAPER, MIRU WEATHERFORD, RIH TO 8105' W/ 3-1/8' TOOLS, POOH, RIH W/ CSG INSPECTION TOOLS, TOOS FAILED									
24 Hr Fored	casl	LOG WELL TIH W/ TBG, TOOH LAY DOWN TBG									
Comments											
Step Depti	From	To [Ouration		ne Summ	Operation			Phase Cla	ss OpCode	
	6:00 AM	7:00 AM	0.014	ARRIVE ON L	OCATION , HO	OLD SAFETY M	EETING				
				TOOH W/ T60	3 LAY DOWN I	HT SCRAPER				+	
	7:00 AM	8:30 AM	8210	WOWL							
	8:30 AM	12:00 PM	0.75								
	12:00 PM	6:00 PM	625	CALIBRATE 1 SDFN	TOOLS RIH LO	8106" W/ 3-1/8" G UP TROUBLE	TOOLS, PO	POOH			
			A 0.1								
			0.00								
			0.00								
	-									-	
			9.06								
Ш	Total T	ime Summary	0.50						1		
C/O Cin	ss/Code/Sub	1	Detaits		Daily Cost	Cost/Qty	Cost		Vendor		
x		WELL SITE SI RIG COST TBG TRUCKIN	***************************************	16/1	1	\$1,200.00 \$4,500.00	\$1989Y0 \$1500.00	UP FRONT PRO 1 ECLIPSE			
K X		SET ANCHOR	PAIR S				0000	CASCADE WESTERN /	NUGER.		
x x		TBG RENTAL				\$750.00	49H340	HITECH			
×							0000				
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							\$700 170 5000				
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							1076) 50.00 50.00				
						atal Dally Cost	到限				
					Remarks	dtal Dally Cost	\$6,450.0				
8											